

AUDIO VIDEO SURROUND RECEIVER
KRF-V5020/V5020E/V5020W/V5020(S)
V6020/V6020E/V6020W/
V7020/V7020E/V7020W/
VR-305/306/355
SERVICE MANUAL

KENWOOD

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On the Block diagram, backup data, Initial state and system microprocessor, refer to the KRF-V5010 service manual (B51-5425-00)

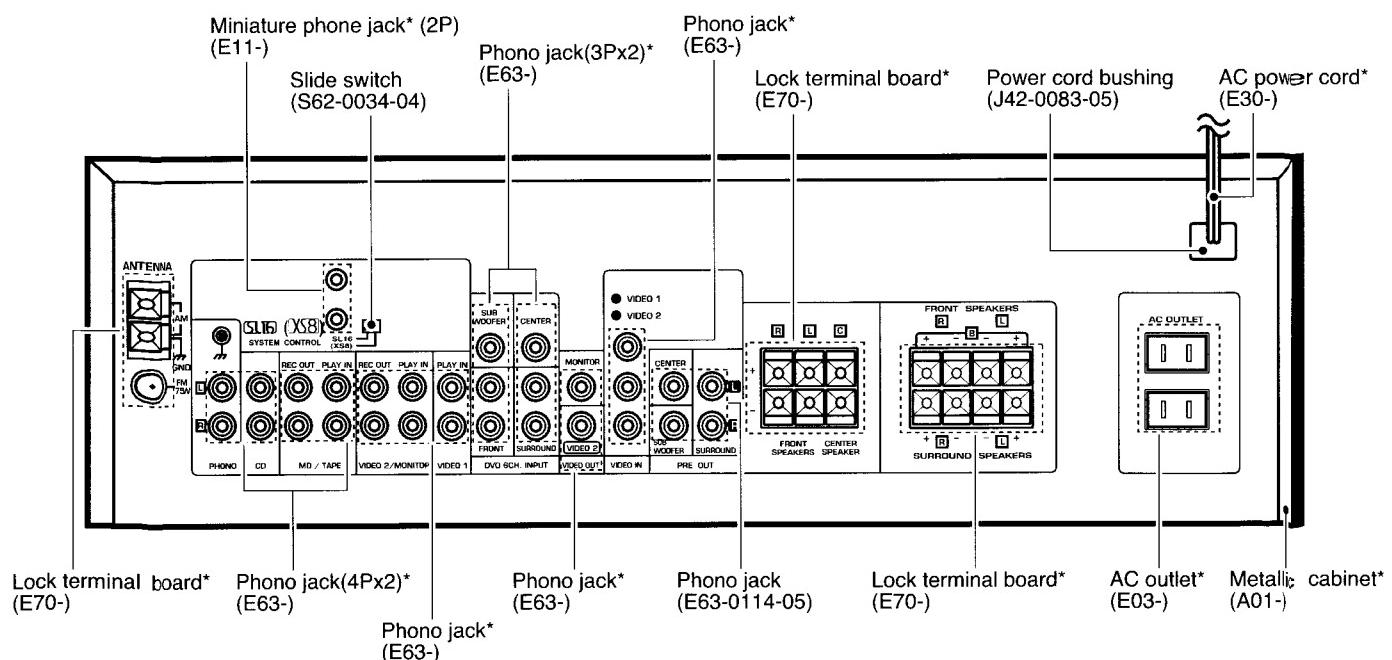
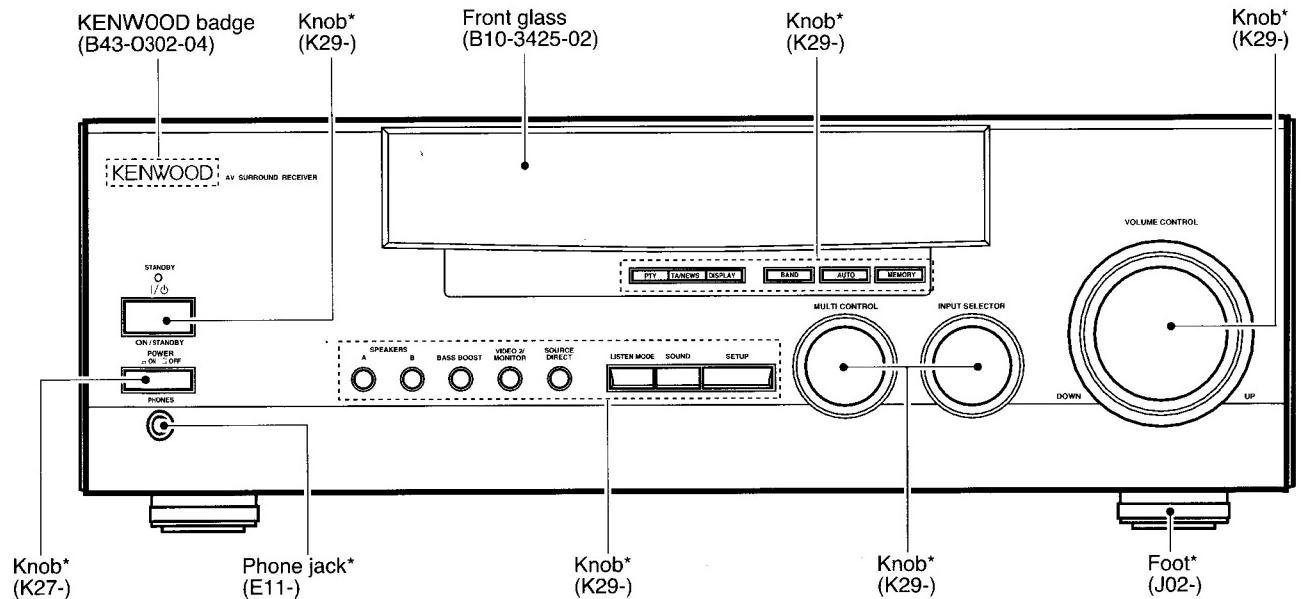


Illustration is KRF-V5020.

* Refer to parts list on page 23~.

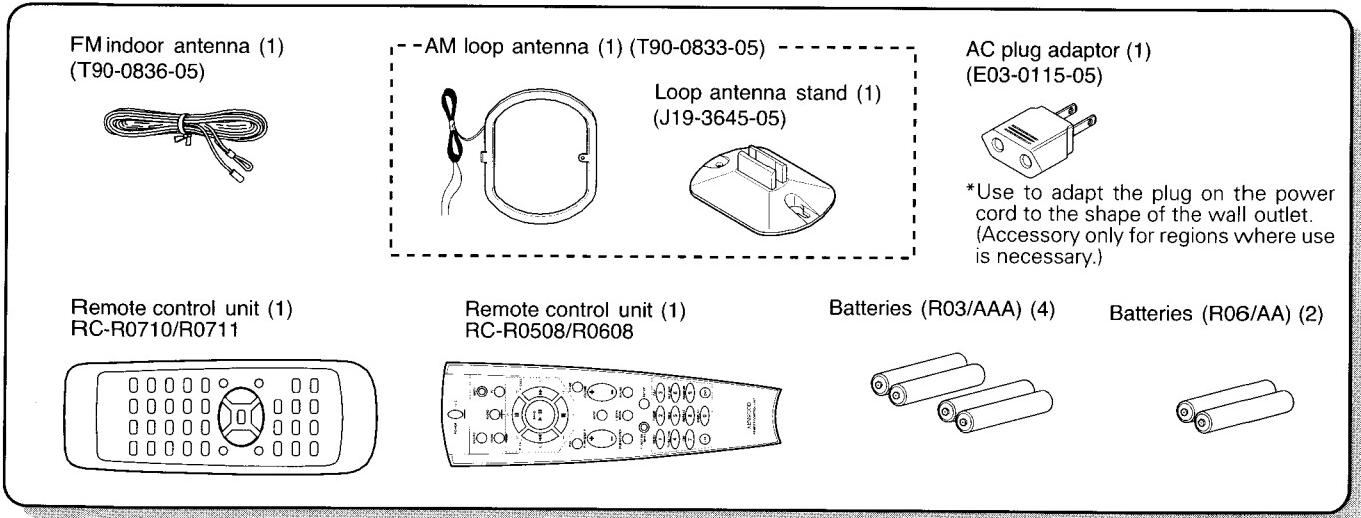
KRF-V5020/V6020/V7020/VR-305/306/355

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Accessories



Model name vs remote controller

Remote Controller				
Model	Destinations	Parts number	Model name	Battery Cover
KRF-V5020	I5, M5, X5, Y5	A70-1264-05	RC-R0711	A09-1123-08
KRF-V5020	E1	A70-1265-05	RC-R0710	A09-1123-08
KRF-V5020	T5	A70-1265-05	RC-R0710	A09-1123-08
KRF-V5020(S)	E2	A70-1265-05	RC-R0710	A09-1123-08
KRF-V5020E	E3	A70-1265-05	RC-R0710	A09-1123-08
KRF-V5020W	Q5	A70-1265-05	RC-R0710	A09-1123-08
KRF-V6020	C6, I6, M6, X6	A70-1264-05	RC-R0711	A09-1123-08
KRF-V6020	E4	A70-1275-05	RC-R0508	A09-0366-08
KRF-V6020E	E5	A70-1265-05	RC-R0710	A09-1123-08
KRF-V6020W	Q6	A70-1265-05	RC-R0710	A09-1123-08
KRF-V7020	E7, T7	A70-1275-05	RC-R0508	A09-0366-08
KRF-V7020E	E8	A70-1275-05	RC-R0508	A09-0366-08
KRF-V7020W	Q7	A70-1275-05	RC-R0508	A09-0366-08
VR-305	K2, P2	A70-1264-05	RC-R0711	A09-1123-08
VR-306	K1, P1	A70-1264-05	RC-R0711	A09-1123-08
VR-355	K3, P3	A70-1271-05	RC-R0608	A09-0366-08

Resetting the Microcomputer

If the microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

For U.S.A. and Canada

Unplug the power cord from the wall outlet, then plug it back in while holding down the POWER key.

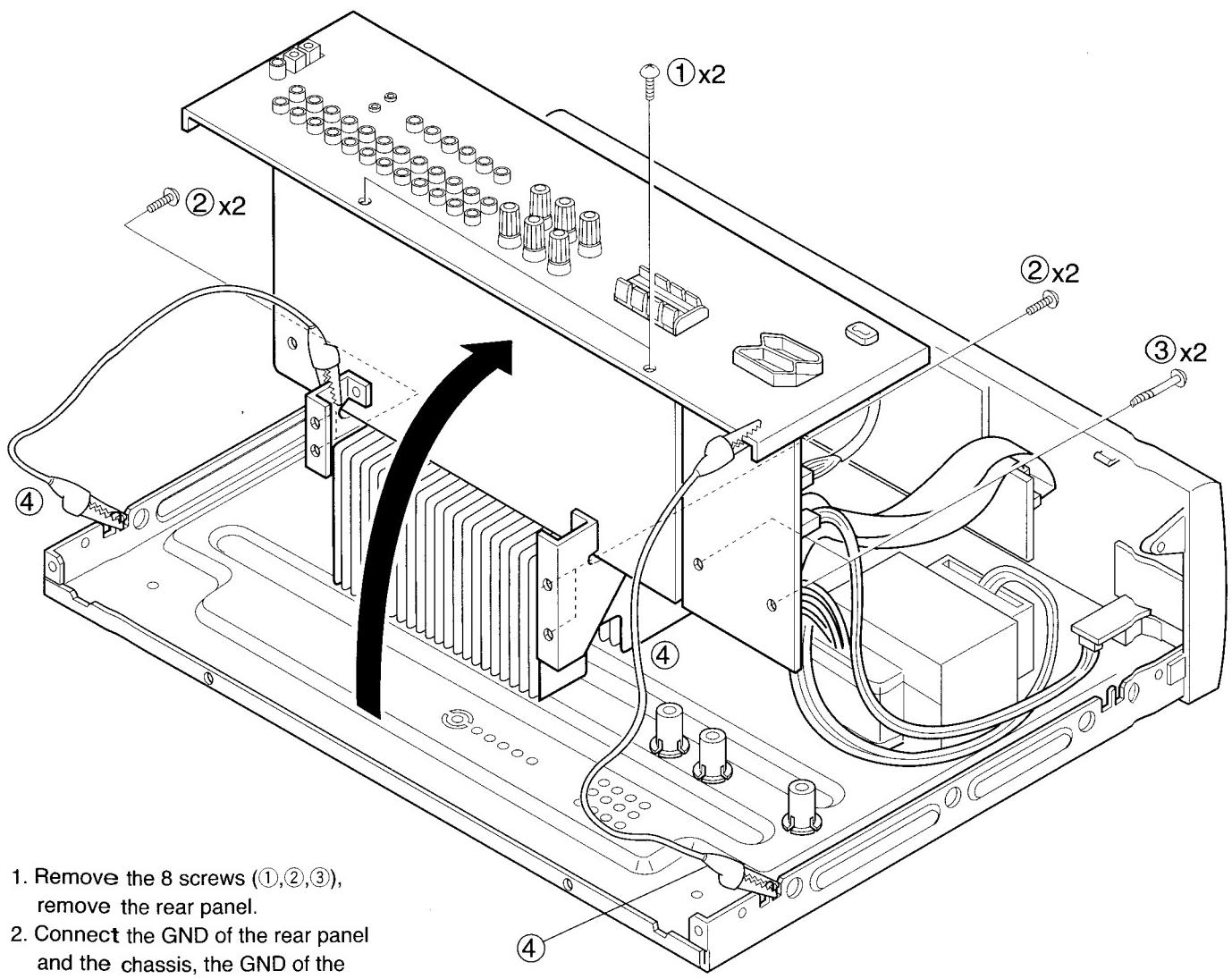
For other countries

With the power cord plugged in, turn the POWER key OFF. Then, while holding down the ON/STANDBY key, press POWER.

- Please note that resetting the microcomputer will clear the contents of the memory and returns the unit to the state it was in when it left the factory.

KRF-V5020/V6020/V7020/VR-305/306/355

DISASSEMBLY FOR REPAIR



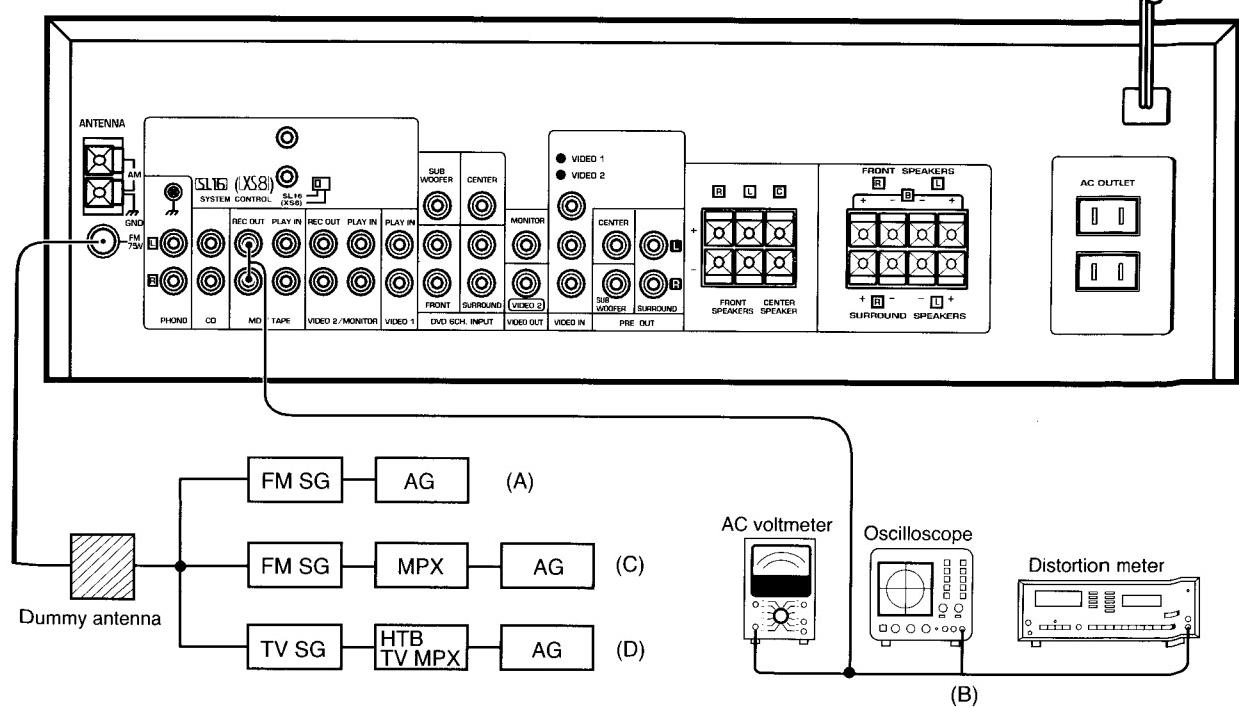
1. Remove the 8 screws (①,②,③), remove the rear panel.
2. Connect the GND of the rear panel and the chassis, the GND of the mounting hardware and the chassis with 2 alligators clip (④)

KRF-V5020/V6020/V7020/VR-305/306/355

ADJUSTMENT

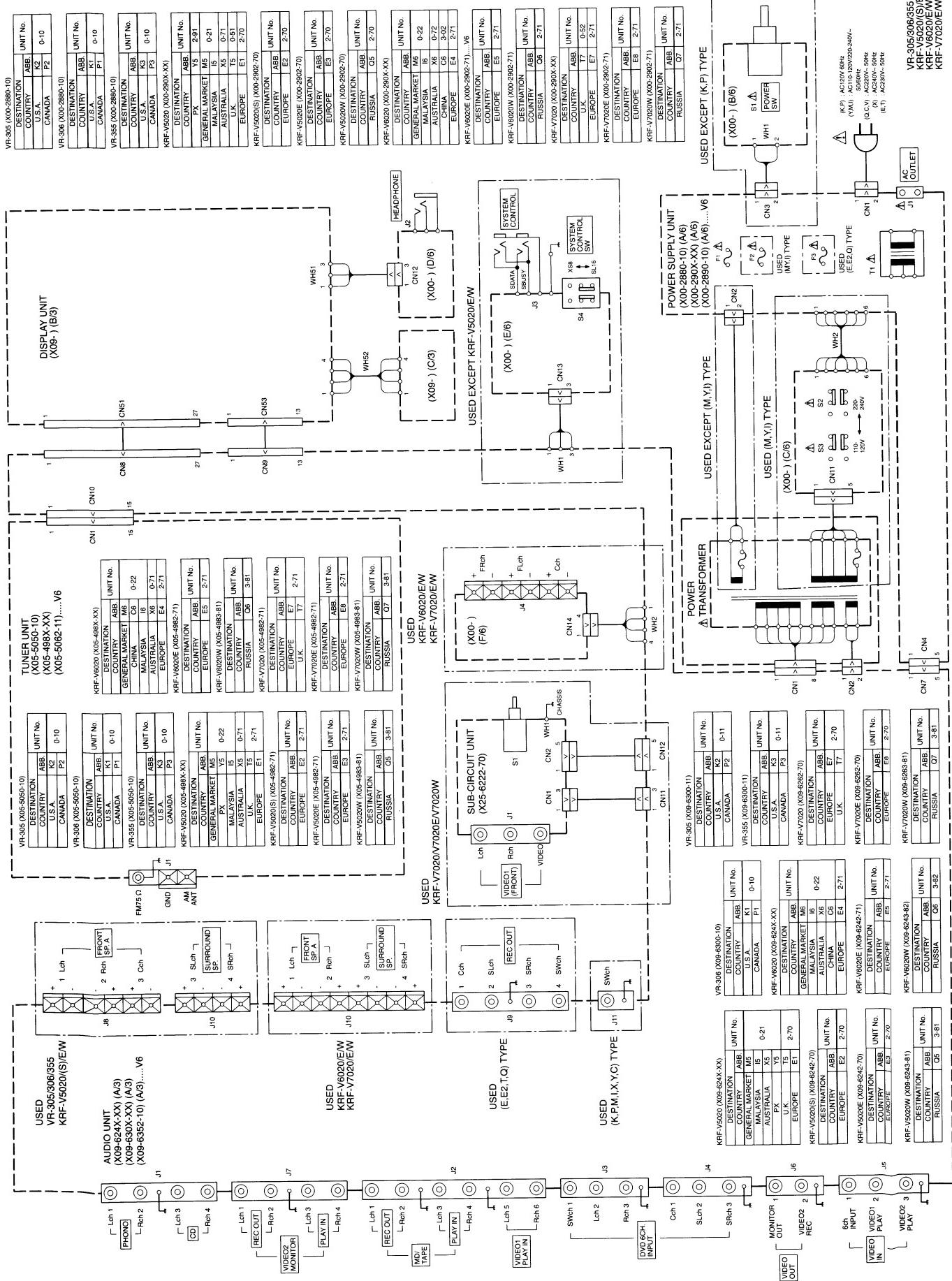
No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION : EXCEPT E,T,Q type SELECTOR : FM							
1	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, $\pm 68.25\text{kHz}$ dev. Selector : L or R Pilot : $\pm 6.75\text{kHz}$ dev. 70dBf (ANT. input)	(B)	98.0MHz	IFT (TUNER UNIT: A1)	Minimum distortion (L or R)	
2	TUNING LEVEL	(A) 98.0MHz MONO 1kHz, $\pm 75\text{kHz}$ dev. 25dBf (ANT. input)	(B)	MONO 98.0MHz	VR1 (TUNER UNIT)	Adjust VR1 and stop at the point where ED51 (TUNED) goes on.	
FM SECTION : E,T,Q type only SELECTOR : FM *Adjust NO.1 and NO.2 repeat.							
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, $\pm 40\text{kHz}$ dev. 70dBf (ANT. input)	Connect a DC voltmeter between CN2 ① and CN2 ② (TUNER UNIT)	MONO 98.0MHz	L4 (TUNER UNIT)	0V	
2	DISTORTION (MONO)	(A) 98.0MHz 1kHz, $\pm 40\text{kHz}$ dev. MONO 70dBf (ANT. input)	(B)	MONO 98.0MHz	L5 (TUNER UNIT)	Minimum distortion	
3	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, $\pm 40\text{kHz}$ dev. Selector : L or R Pilot : $\pm 6\text{kHz}$ dev. 70dBf (ANT. input)	(B)	AUTO 98.0MHz	IFT (TUNER UNIT : A1)	Minimum distortion (L or R)	
4	TUNING LEVEL	(A) 98.0MHz MONO 1kHz, $\pm 40\text{kHz}$ dev. 29dBf (ANT. input)	(B)	MONO 98.0MHz	VR1 (TUNER UNIT)	Adjust VR1 and stop at the point where ED51 (TUNED) goes on.	

SYSTEM CONNECTIONS



KRF-V5020/V6020/V7020/VR-305/306/355

WIRING DIAGRAM



A

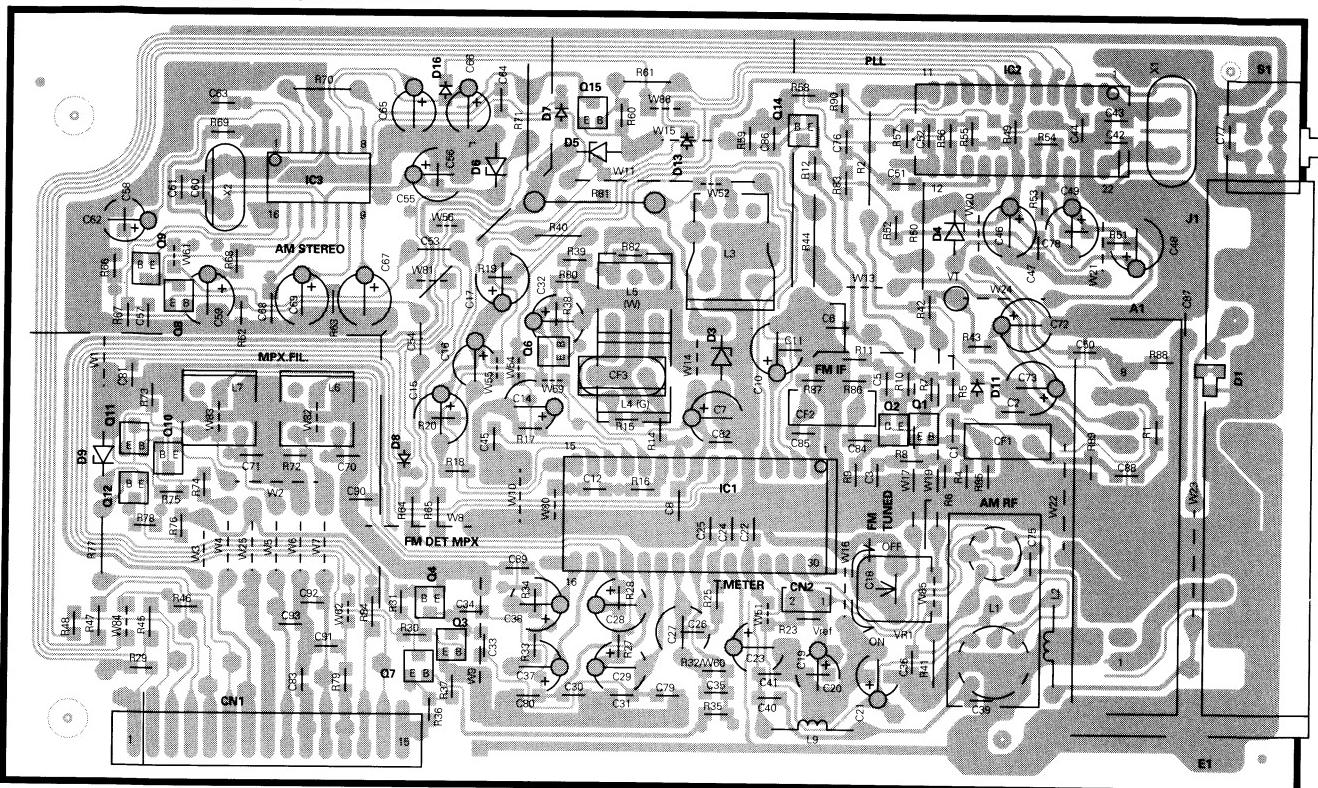
6

C

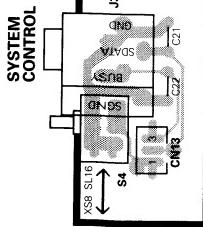
1

PC BOARD(Component side view)

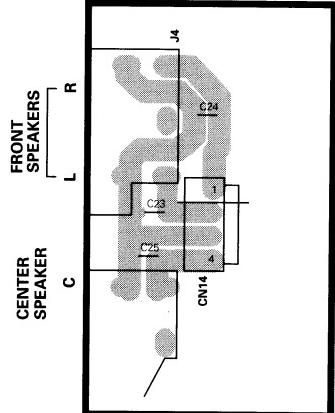
X05-4980-10/X05-5050-10/X05-5062-11



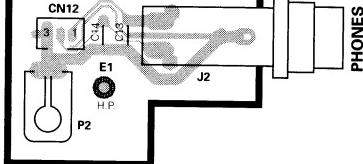
X00 E/6



X00 F/6

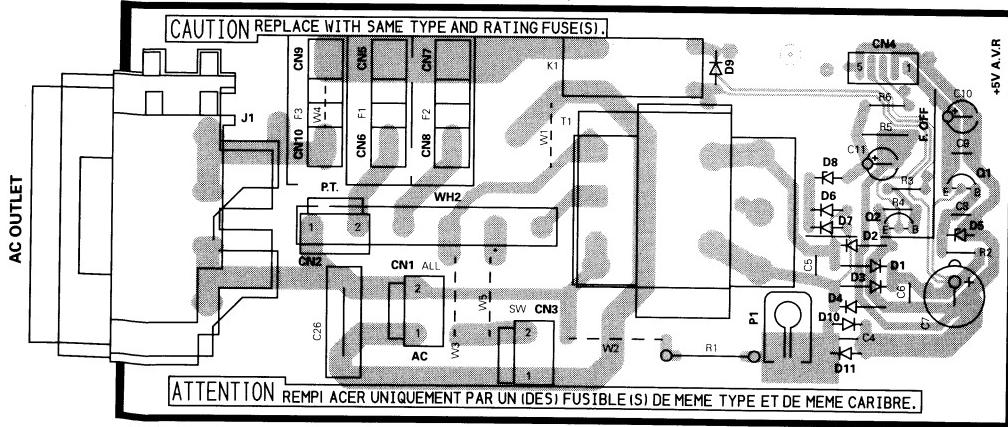


X00 D/6

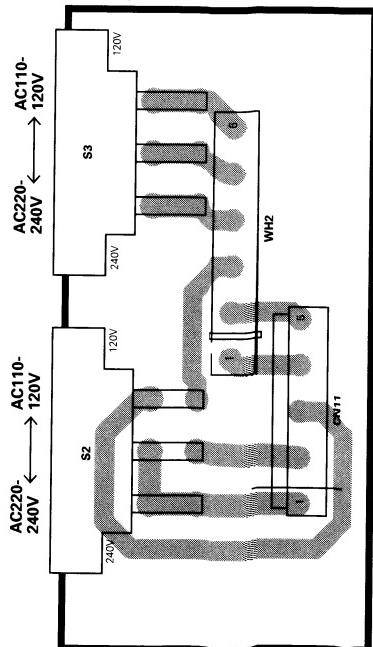


X00-2902-70/X00-2880-10/X00-2890-10 (A/6)

CAUTION REPLACE WITH SAME TYPE AND RATING FUSE(S).



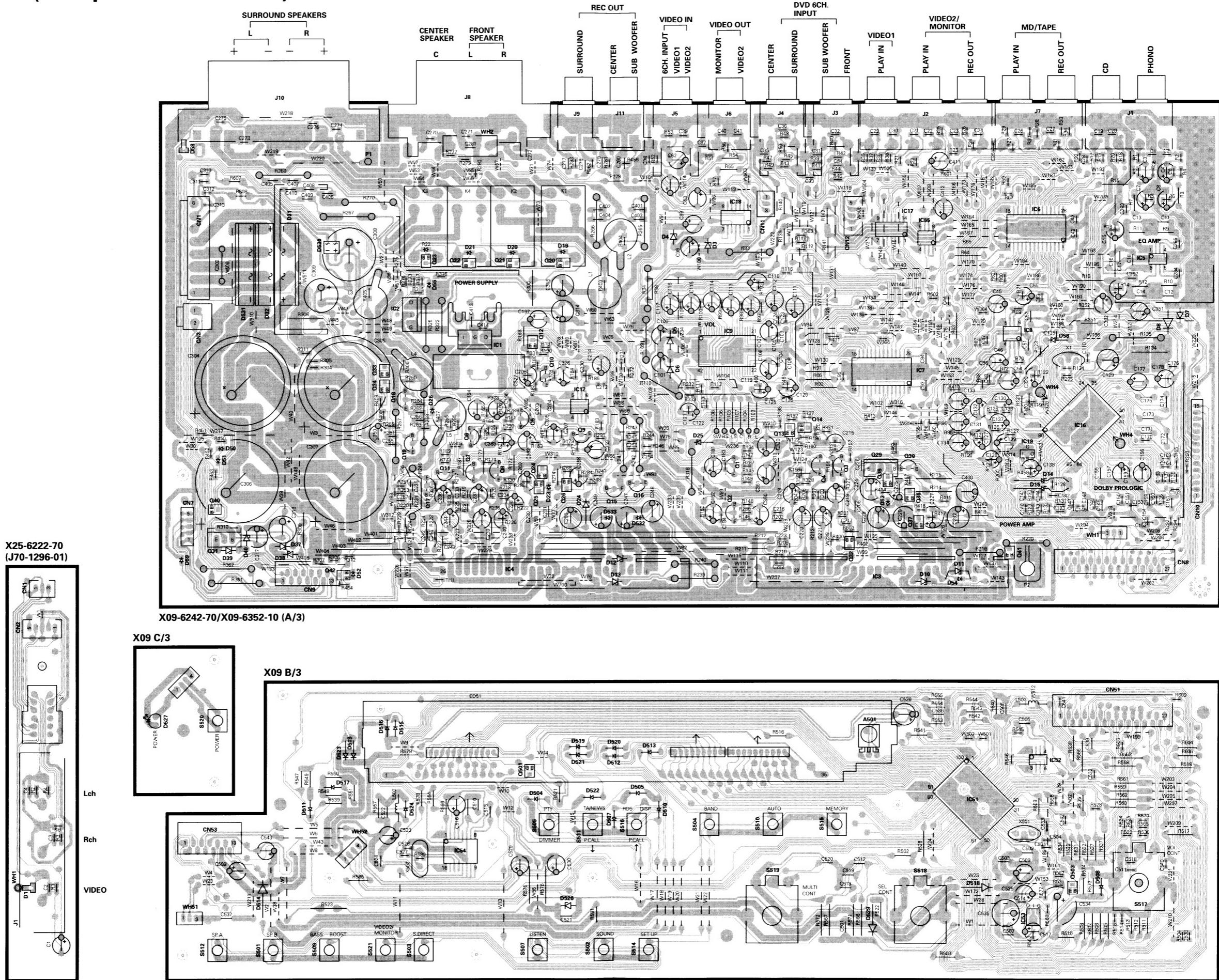
X00 C/6



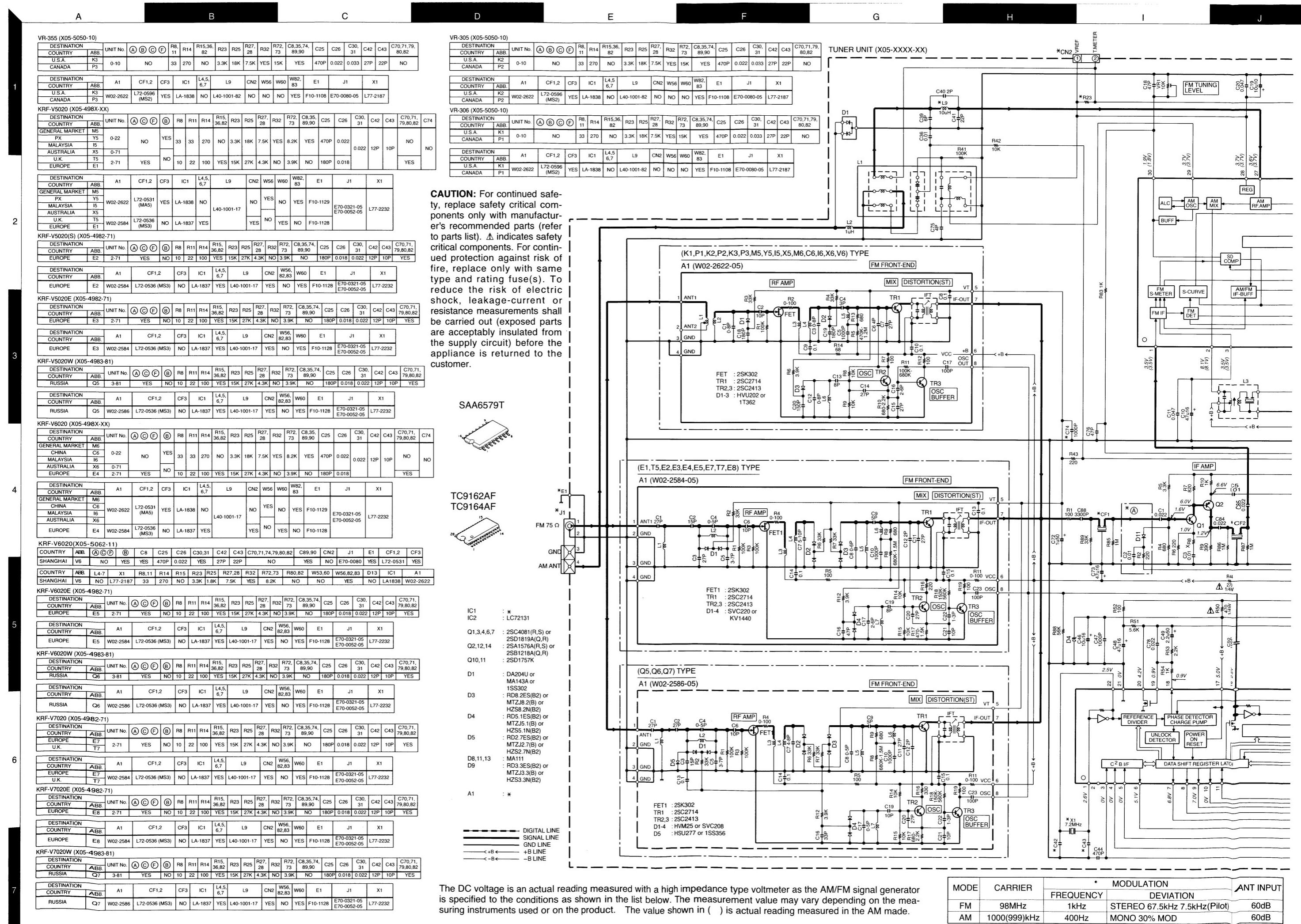
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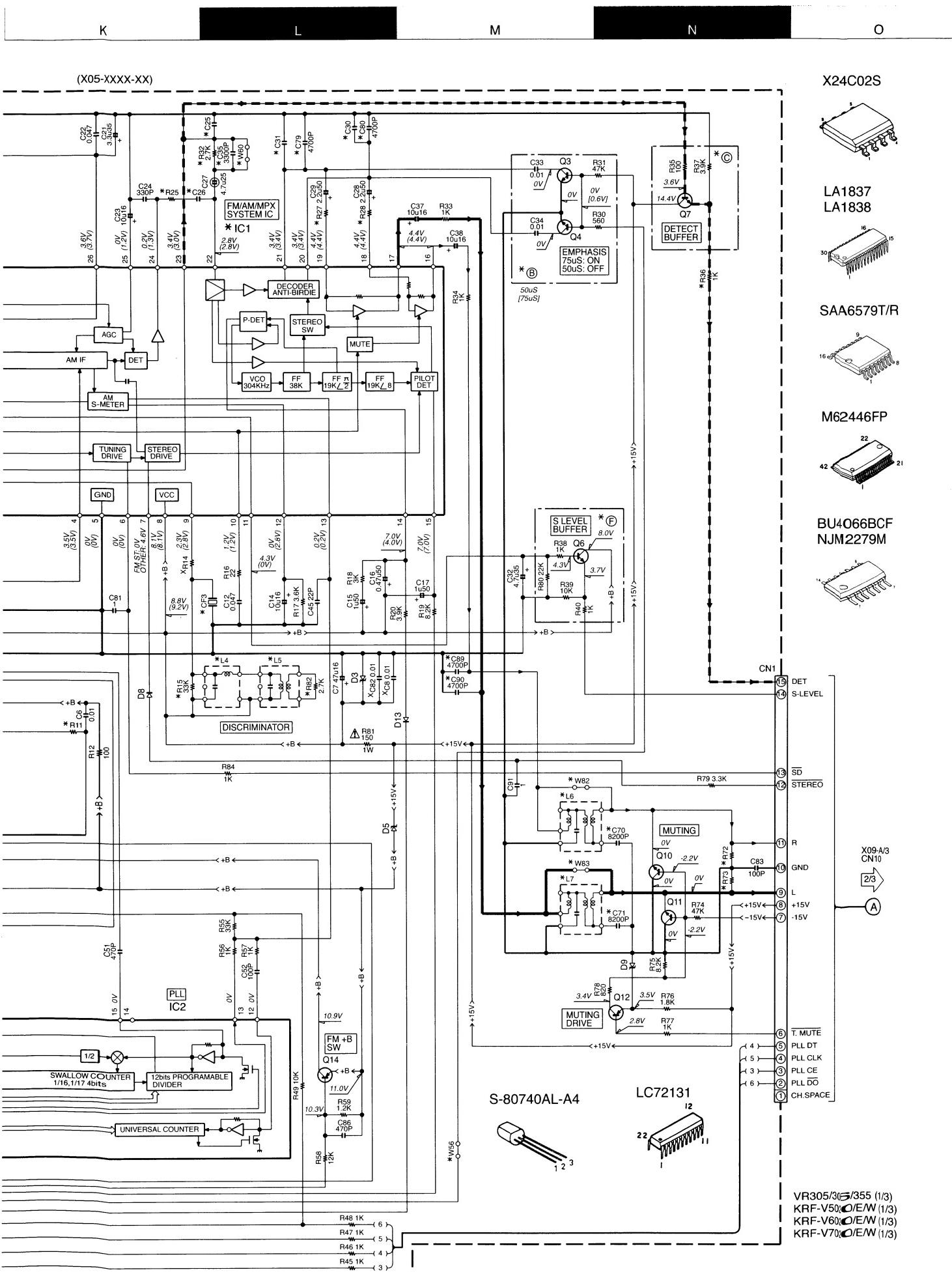
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Component side view)



Refer to the schematic diagram for the value of resistors and capacitors.





Y05-3782-70

MC-Service

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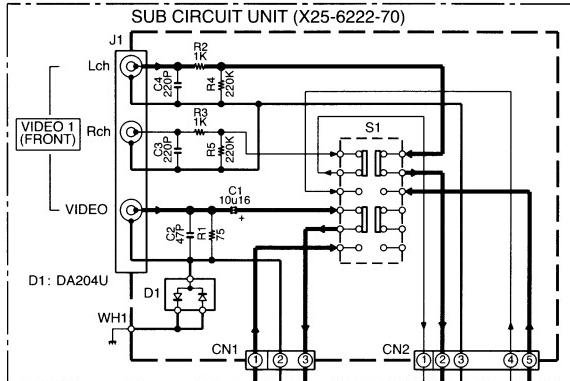
P Q R S T

IC1	: TA7815SB
IC2	: TA79015SB
IC3	: *
IC4	: *
IC5	: NJM4580ED
IC6	: TC9164AF
IC7	: TC9162AF
IC8,12,55	: NJM4565MD
IC9	: M62446FP
IC16	: M62460FP
IC17	: BU4066BCF
IC18	: NJM2279M
IC19	: M5278L05M
Q1-11	: 2SC2878(B)
Q12,40,42	: 2SC4213(B)
Q13,14	: 2SA1586(Y,GR) or 2SA1611(M5,M6)
Q15-19	: 2SC1845(F,E)
Q20-23	: DTC123JUA
Q24,25,32-34,36,37	: 2SC3722K(R,S)
Q26,35	: 2SA1255
Q29	: 2SC3944A(R,S)
Q30	: 2SA1285(A,F) or 2SA1123(S,T)
Q31	: 2SB1640
Q41	: DTC113ZUA or UN5219
TH1	: PTH9C42BD471Q

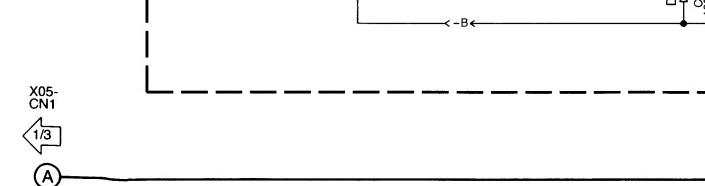
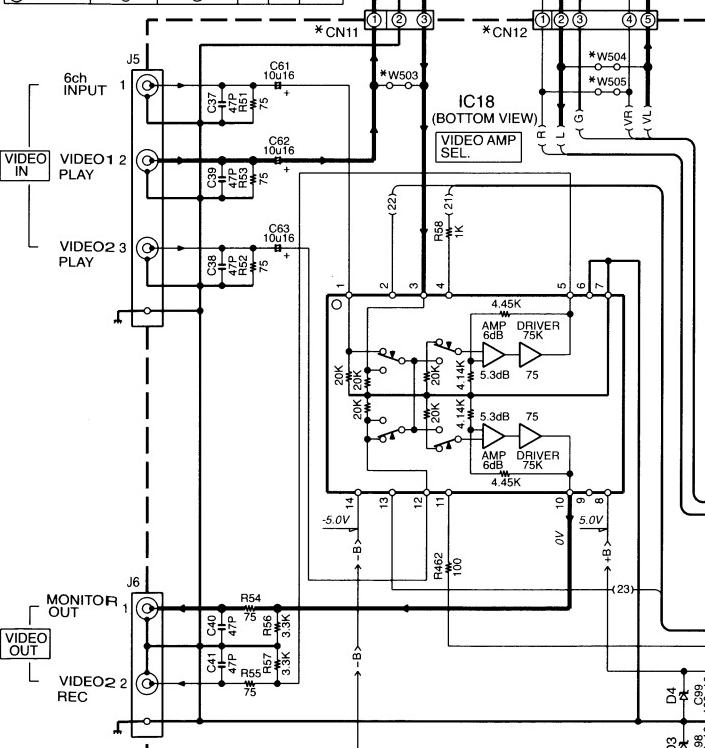
D3,4,7 : MTJ5.1(B) or
RD5.1ES(B2)
D5,6 : MTZJ.8.(B) or
RD8.2ES(B2)
D8 : MTZJ.11(B) or
RD11ES(B2)
D10,12,13 : MTZJ.8.(B) or
RD8.2ES(B2)
D11,56 : MTZJ.5.(B) or
RD7.5ES(B2)
D14,15 : MTZJ.10(B) or
RD10ES(B2)
D19-23,26,50-55,59,532,533
: MA111
D24 : MTZJ4.7(B) or
RD4.7ES(B2)
D25 : MTZJ3.3(B) or
RD3.3ES(B2)
D31,32 : D45BL20UFO3
D37,38 : MTZJ16(B) or
RD16ES(B2)
D39,40 : MTZJ18(B) or
RD18ES(B2)
D530 : S1ZB20(4072)

SIGNAL LINE
GND LINE
+B LINE
-B LINE

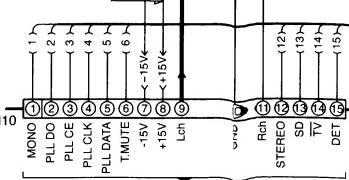
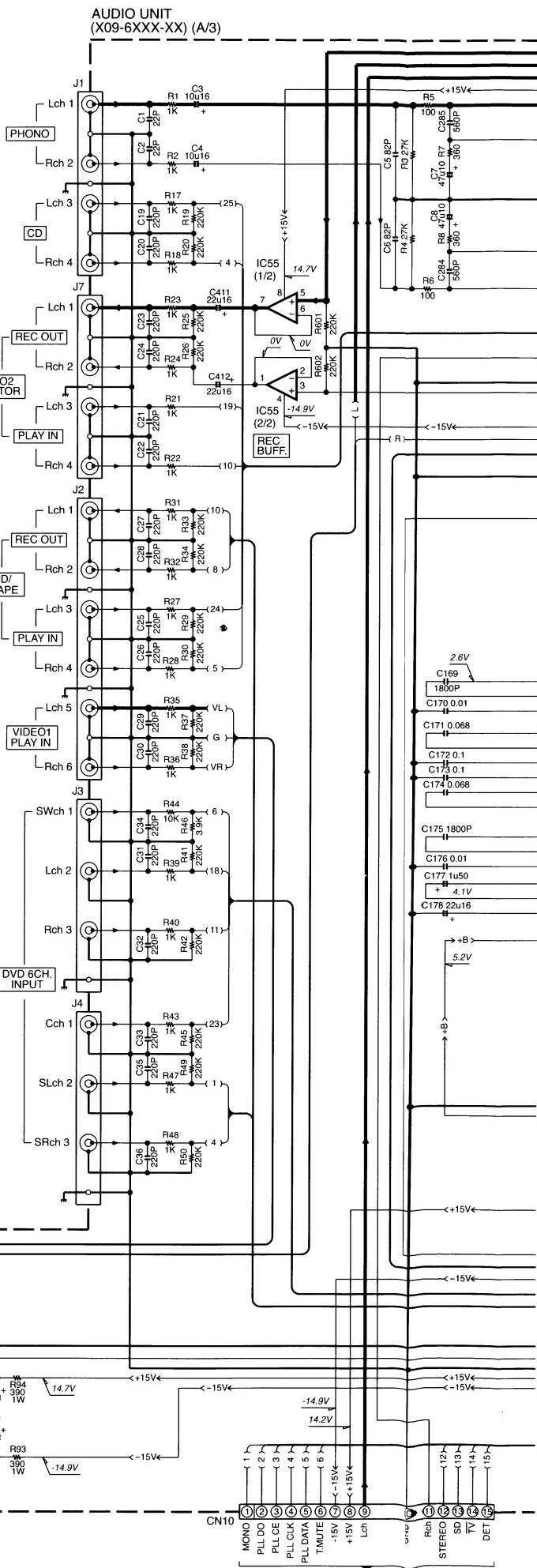
USED KRF-V7020/E/W

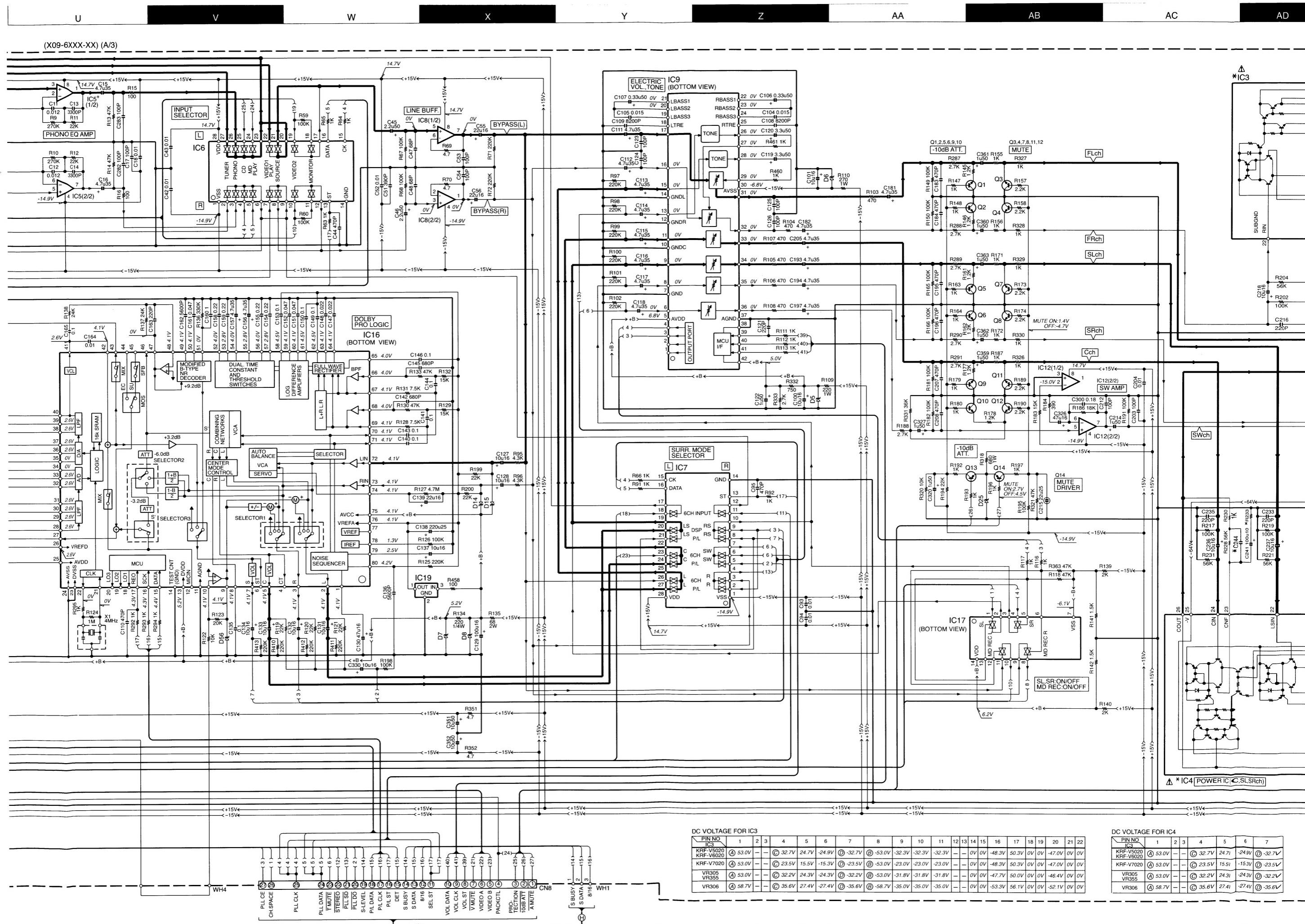


INPUT	OUTPUT			
	① MONITOR	② VIDEO1 REC	③ VIDEO2 REC	④ MUTE
② VIDEO1	○	X	L	L
③ VIDEO2	○	○	H	H
④ 6ch INPUT	○	○	H	H



X05-CN1
1/3
A





AE

AF

AG

AH

AI

AJ

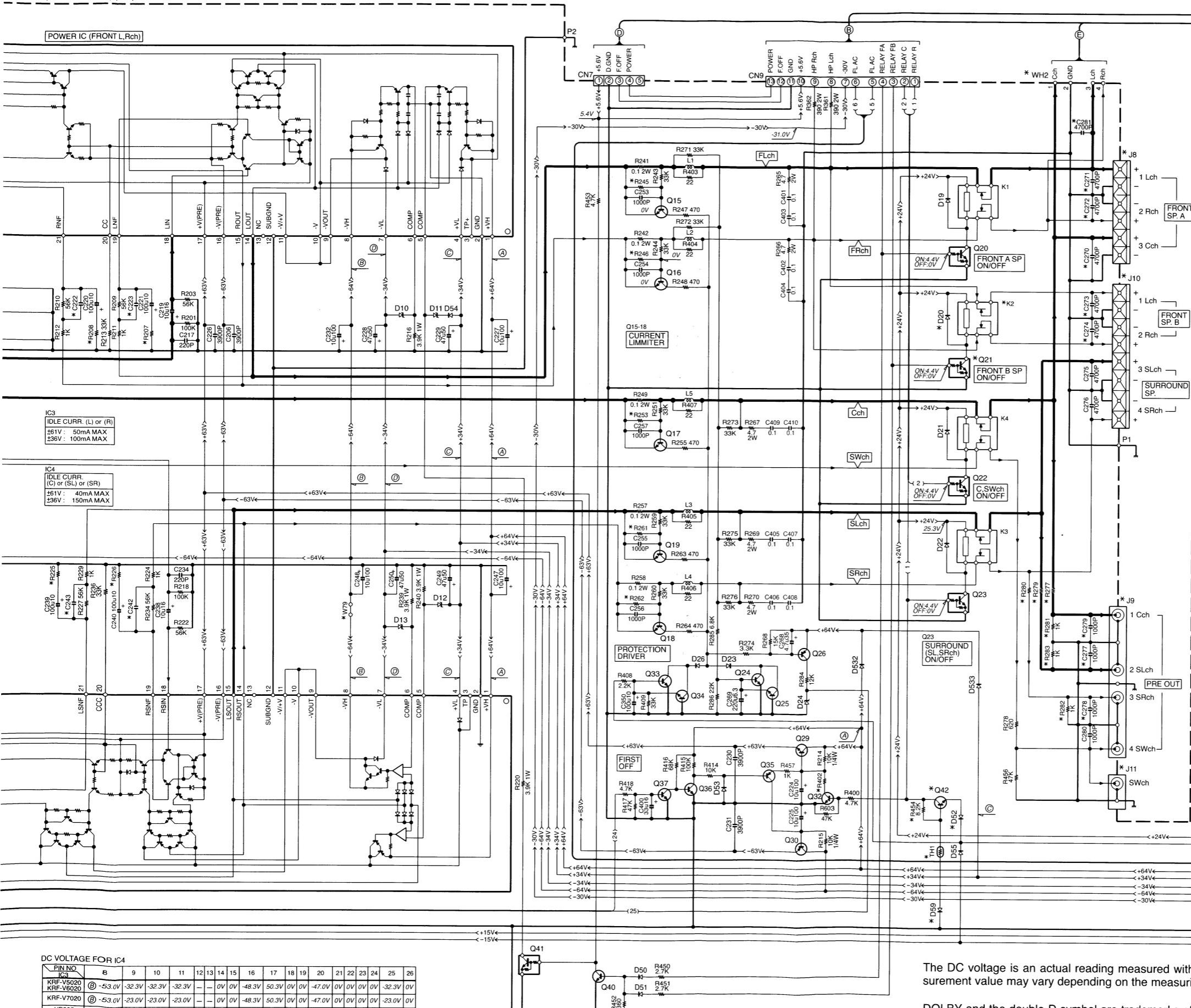
AK

AL

AM

AN

(X09-6XXX-XX) (A/3)



VR-305 (X00-2880-10)	
DESTINATION	UNIT No.
COUNTRY	ABB
U.S.A.	P2
CANADA	0-10
T1	L07-2127-05
J1	E03-0148-05
J3	E03-0347-05
R1	CN9_10, W1.2, 4
W3	YES
P1	NO

VR-306 (X00-2880-10)	
DESTINATION	UNIT No.
COUNTRY	ABB
U.S.A.	P1
CANADA	0-10
T1	L07-2127-05
J1	E03-0148-05
J3	E03-0347-05
R1	CN9_10, W1.2, 4
W3	NO
P1	YES

VR-355 (X00-2880-10)	
DESTINATION	UNIT No.
COUNTRY	ABB
U.S.A.	P3
CANADA	0-10
T1	L07-2127-05
J1	E03-0148-05
J3	E03-0347-05
R1	CN9_10, W1.2, 4, W3
P1	NO

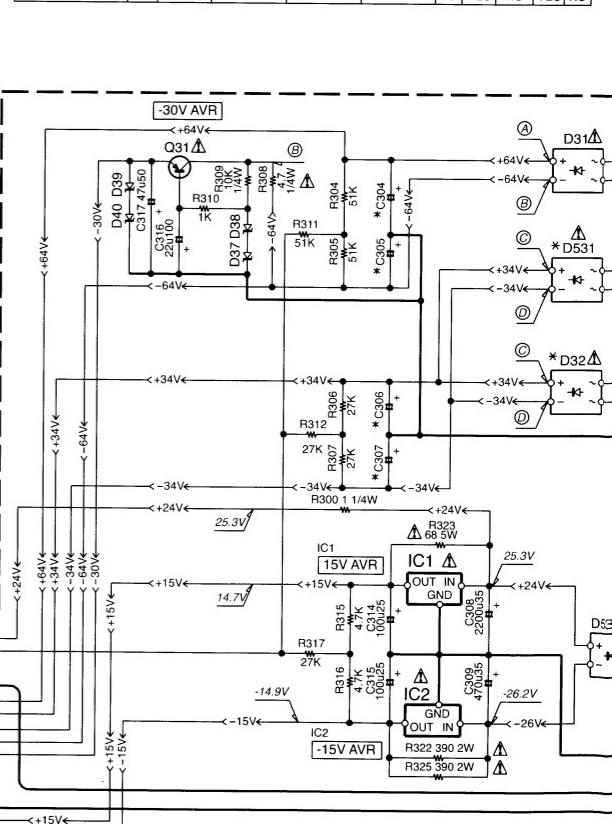
KRF-V6020 (X00-2900-XX)	
DESTINATION	UNIT No.
COUNTRY	ABB
MALAYSIA	M6
AUSTRALIA	X6
CHINA	C6
EUROPE	E4
T1	L07-2568-05
J1	E03-0149-05
J3	E03-0293-05
R1	CN9_10, W1.2, 4, W3
P1	NO

KRF-V6020E (X00-2902-71)	
DESTINATION	UNIT No.
COUNTRY	ABB
RUSSIA	O6
T1	2-71
J1	L07-2569-05
J3	E03-0149-05
R1	CN9_10, W1.2, 4, W3
P1	NO

KRF-V7020 (X00-290X-XX)	
DESTINATION	UNIT No.
COUNTRY	ABB
U.K.	T7
EUROPE	E7
T1	0-52
J1	L07-2569-05
J3	E03-0149-05
R1	CN9_10, W1.2, 4, W3
P1	NO

KRF-V7020E (X00-2902-71)	
DESTINATION	UNIT No.
COUNTRY	ABB
RUSSIA	E8
T1	2-71
J1	L07-2569-05
J3	E03-0149-05
R1	CN9_10, W1.2, 4, W3
P1	NO

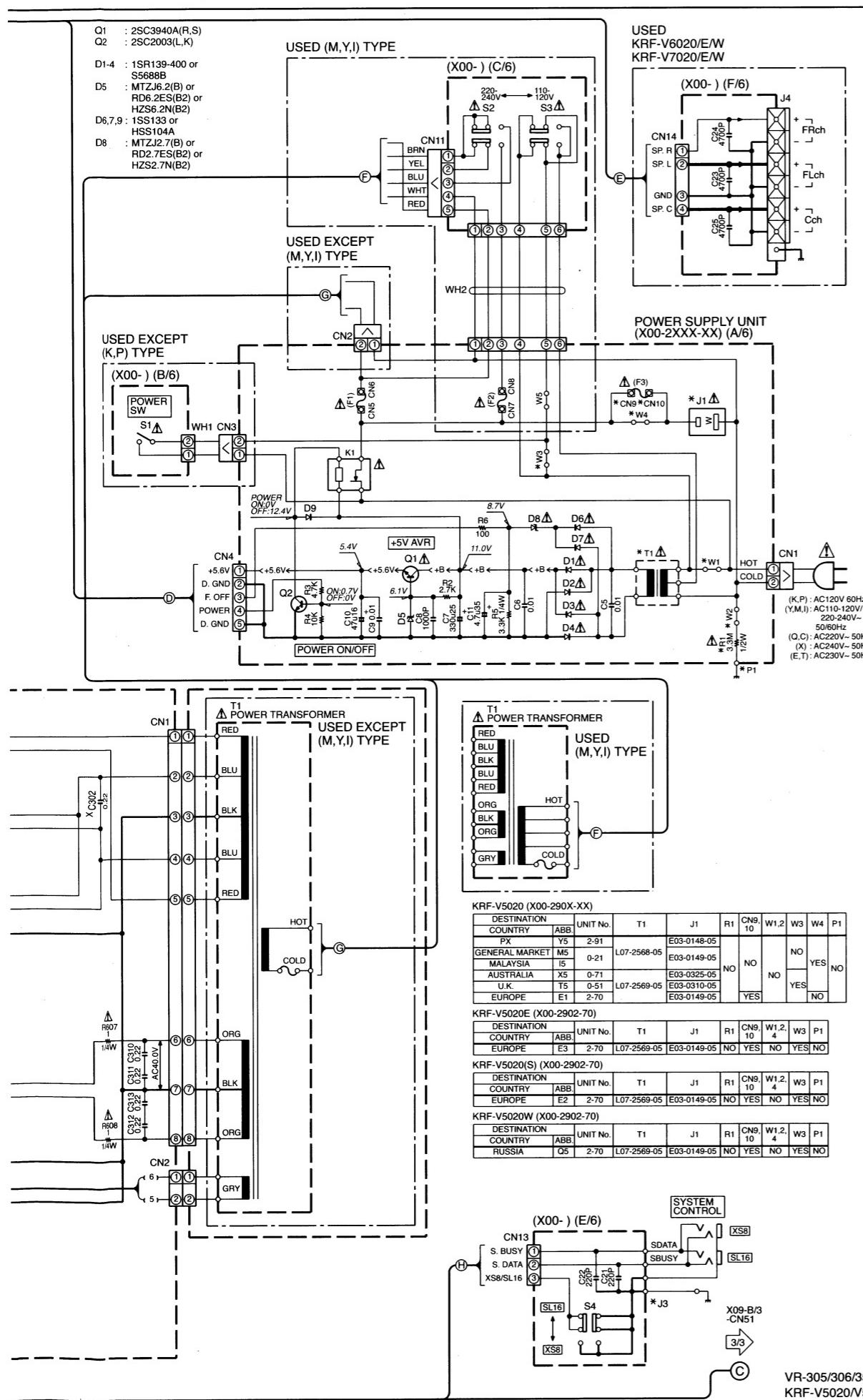
KRF-V7020W (X00-2902-71)	
DESTINATION	UNIT No.
COUNTRY	ABB
RUSSIA	O7
T1	2-71
J1	L07-2569-05
J3	E03-0149-05
R1	CN9_10, W1.2, 4, W3
P1	NO



The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

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(X09-6XXX-XX) (A/3)



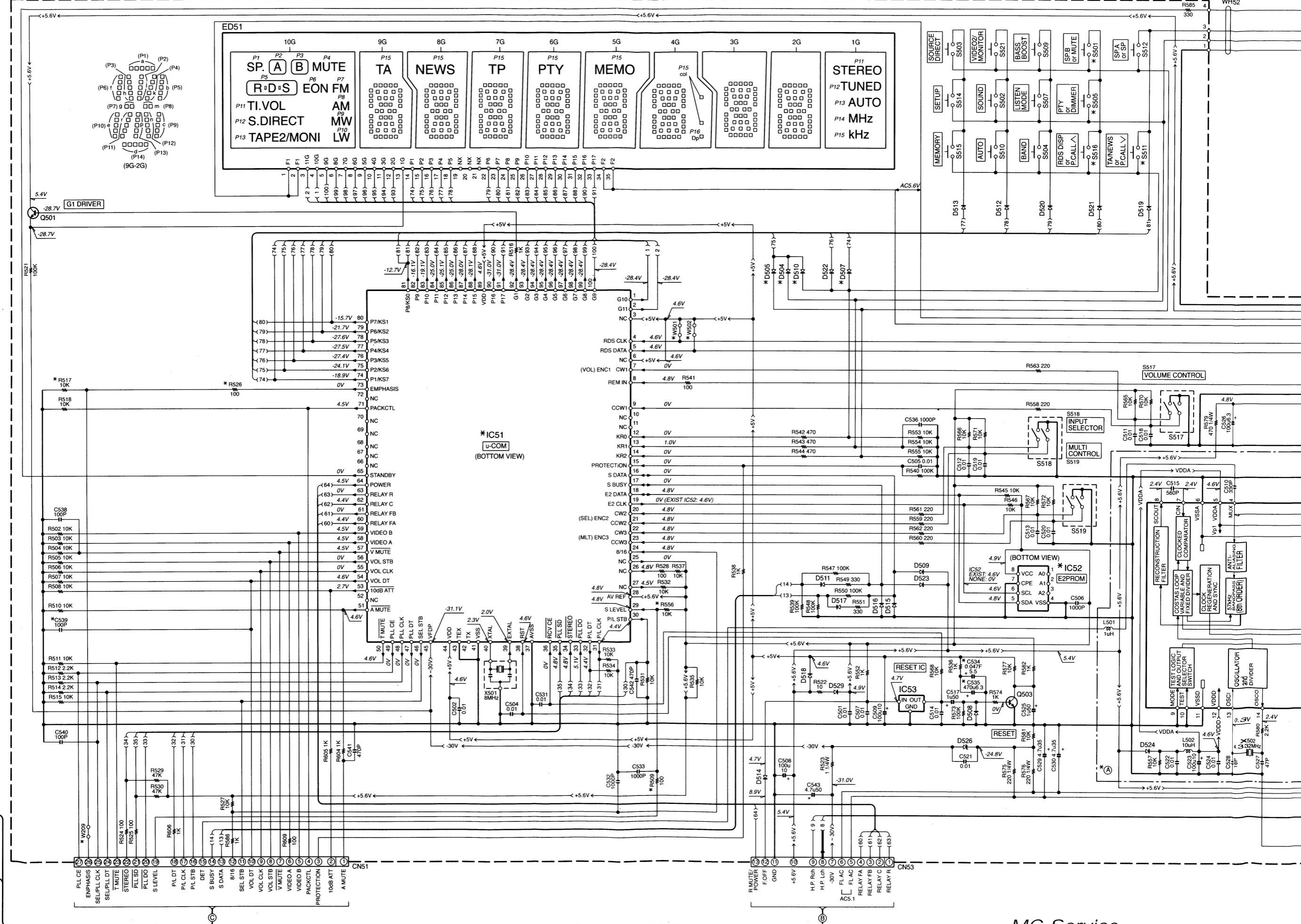
DESTINATION	COUNTRY	ABB	UNIT No	C222.223, 242-244	C270, 272	C273.274,277-279, 281,302,539	C304, 305, 306, 307	CN11, 12, D20,32, D531	IC3	IC4	J8,11	J9	J10	K2, Q21, 42	R207,208,225, 226,233	R245,246,253, 261,262	R277,279, 280,283,454	R402, TH1	W503-505	WH2
U.S.A.	K2	P2	0-11	15P	YES	NO	4700u 3300u	NO NO YES	STK411-220D	STK410-020D	YES	NO	E70-0057-05 4P	NO NO 360	36K	NO	58K	NO	-YES NO	
U.S.A.	K1	P1	0-10	15P	YES	NO	4700u 3300u	NO NO YES	STK411-230D	STK410-030D	YES	NO	E70-0057-05 4P	NO NO 330	33K	NO	43K	NO	YES NO	
CANADA																				
MALAYSIA	I5		0-21	15P	YES	NO	4700u 3300u	NO NO YES	STK411-220D	STK410-020D	YES	NO	E70-0057-05 4P	NO NO 360	36K	NO	27K	YES	YES NO	
AUSTRALIA	X5																			
PX	Y5																			
U.K.	T5		2-70	10P																
EUROPE	E1																			

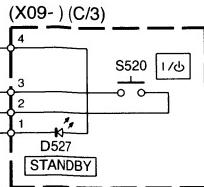
DESTINATION	COUNTRY	ABB	UNIT No	C222.223, 242-244	C270, 272	C273.274,277-279, 281,302,539	C304, 305, 306, 307	CN11, 12, D20,32, D531	IC3	IC4	J8,11	J9	J10	K2, Q21, 42	R207,208,225, 226,233	R245,246,253, 261,262	R277,279, 280,283,454	R402, TH1	W503-505	WH2
U.S.A.	K2	P2	0-11	15P	YES	NO	4700u 3300u	NO NO YES	STK411-220D	STK410-020D	YES	NO	E70-0057-05 4P	NO NO 360	36K	NO	58K	NO	YES NO	
U.S.A.	K1	P1	0-10	15P	YES	NO	4700u 3300u	NO NO YES	STK411-230D	STK410-030D	YES	NO	E70-0057-05 4P	NO NO 330	33K	NO	43K	NO	YES NO	
CANADA																				
MALAYSIA	I5		0-21	15P	YES	NO	4700u 3300u	NO NO YES	STK411-220D	STK410-020D	YES	NO	E70-0057-05 4P	NO NO 360	36K	NO	27K	YES	YES NO	
AUSTRALIA	X5																			
PX	Y5																			
U.K.	T5		2-70	10P																
EUROPE	E1																			

DESTINATION	COUNTRY	ABB	UNIT No	C222.223, 242-244	C270, 272	C273.274,277-279, 281,302,539	C304, 305, 306, 307	CN11, 12, D20,32, D531	IC3	IC4	J8,11	J9	J10	K2, Q21, 42	R207,208,225, 226,233	R245,246,253, 261,262	R277,279, 280,283,454	R402, TH1	W503-505	WH2
U.S.A.	K2	P2	0-11	15P	YES	NO	4700u 3300u	NO NO YES	STK411-220D	STK410-020D	YES	NO	E70-0057-05 4P	NO NO 360	36K	NO	58K	NO	YES NO	
U.S.A.	K1	P1	0-10	15P	YES	NO	4700u 3300u	NO NO YES	STK411-230D	STK410-030D	YES	NO	E70-0057-05 4P	NO NO 330	33K	NO	43K	NO	YES NO	
CANADA																				
MALAYSIA	I5		0-21	15P	YES	NO	4700u 3300u	NO NO YES	STK411-220D	STK410-020D	YES	NO	E70-0057-05 4P	NO NO 360	36K	NO	27K	YES	YES NO	
AUSTRALIA	X5																			
PX	Y5																			
U.K.	T5		2-70	10P																
EUROPE	E1																			

DESTINATION	COUNTRY	ABB	UNIT No	C222.223, 242-244	C270, 272	C273.274,277-279, 281,302,539	C304, 305, 306, 307	CN11, 12, D20,32, D531	IC3	IC4	J8,11	J9	J10	K2, Q21, 42	R207,208,225, 226,233	R245,246,253, 261,262	R277,279, 280,283,454	R402, TH1	W503-505	WH2
U.S.A.	K2	P2	0-11	15P	YES	NO	4700u 3300u	NO NO YES	STK411-220D	STK410-020D	YES	NO	E70-0057-05 4P	NO NO 360	36K	NO	58K	NO	YES NO	
U.S.A.	K1	P1	0-10	15P	YES	NO	4700u													

DISPLAY UNIT
(X09-6XXX-XX) (B/3)





VR-305 (X09-6300-11)

DESTINATION	UNIT No.	©	C534	C535	D504,505, 507,510	IC51	IC52	R509,517, 526	R556	S501	S505	S511	S516	W209	W501, 502	J2	
U.S.A.	K2	0-11	NO	NO	YES	NO	CXP82832 -155Q	NO	NO	YES	MUTE	DIMMER	P.CALL ▽	P.CALL △	NO	YES	E11-0295-05
CANADA	P2																

VR-306 (X09-6300-10)

DESTINATION	UNIT No.	©	C534	C535	D504,505, 507,510	IC51	IC52	R509,517, 526	R556	S501	S505	S511	S516	W209	W501, 502	J2	
U.S.A.	K1	0-10	NO	NO	YES	NO	CXP82832 -155Q	NO	NO	YES	SB P	DIMMER	P.CALL ▽	P.CALL △	NO	YES	E11-0295-05
CANADA	P1																

VR-355 (X09-6300-11)

DESTINATION	UNIT No.	©	C534	C535	D504,505, 507,510	IC51	IC52	R509,517, 526	R556	S501	S505	S511	S516	W209	W501, 502	J2	
U.S.A.	K3	0-11	NO	NO	YES	NO	CXP82832 -155Q	NO	NO	YES	MUTE	DIMMER	P.CALL ▽	P.CALL △	NO	YES	E11-0295-05
CANADA	P3																

KRF-V5020 (X09-624X-XX)

DESTINATION	UNIT No.	©	C534	C535	D504	D505	D507	D510	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
GENERAL MARKET	M5																	
MALAYSIA	I5	0-21	NO	YES	NO	YES	NO	NO	CXP82832 -155Q	YES	NO	YES	MUTE	P.CALL ▽	P.CALL △	YES	E11-0127-05	
AUSTRALIA	X5																	
PX	Y5																	
U.K.	T5	2-70	YES															
EUROPE	E1																	

KRF-V5020(S) (X09-6242-70)

DESTINATION	UNIT No.	©	C534	C535	D504	D505	D507	D510	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
EUROPE	E2	2-70	YES	YES	NO	NO	YES	CXP82852 -136Q	YES	YES	NO	MUTE	PTY	(RDS) DISPLAY	TA/ NEWS	NO	E11-0127-05	

KRF-V5020E (X09-6242-70)

DESTINATION	UNIT No.	©	C534	C535	D504	D505	D507	D510	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
EUROPE	E3	2-70	YES	YES	NO	NO	YES	CXP82852 -136Q	YES	YES	NO	MUTE	PTY	(RDS) DISPLAY	TA/ NEWS	NO	E11-0127-05	

KRF-V5020W (X09-6243-81)

DESTINATION	UNIT No.	©	C534	C535	D504	D505	D507	D510	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
RUSSIA	Q5	3-81	YES	YES	NO	YES	NO	CXP82852 -136Q	YES	YES	NO	MUTE	PTY	(RDS) DISPLAY	TA/ NEWS	NO	E11-0127-05	

KRF-V6020 (X09-624X-XX)

DESTINATION	UNIT No.	©	C534	C535	D504	D505	D507	D510	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
GENERAL MARKET	M6																	
MALAYSIA	I6	0-22	NO	YES	NO	YES	NO	NO	CXP82832 -155Q	YES	NO	YES	SP B	DIMMER	P.CALL ▽	P.CALL △	YES	E11-0127-05
AUSTRALIA	X6																	
CHINA	C6																	
EUROPE	E4	2-71	YES															

KRF-V6020E (X09-6242-71)

DESTINATION	UNIT No.	©	C534	C535	D504	D505	D507	D510	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
EUROPE	E5	2-71	YES	YES	NO	NO	YES	CXP82852 -136Q	YES	YES	NO	SP B	PTY	(RDS) DISPLAY	TA/ NEWS	NO	E11-0127-05	

KRF-V6020W (X09-6243-82)

DESTINATION	UNIT No.	©	C534	C535	D504	D505	D507	D510	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
RUSSIA	Q6	3-82	YES	YES	NO	YES	NO	CXP82852 -136Q	YES	YES	NO	SP B	PTY	(RDS) DISPLAY	TA/ NEWS	NO	E11-0127-05	

KRF-V7020 (X09-6262-70)

DESTINATION	UNIT No.	©	C534	C535	D504	D505	D507	D510	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
EUROPE	E7	2-70	YES	YES	NO	NO	YES	CXP82852 -136Q	YES	YES	NO	SP B	PTY	(RDS) DISPLAY	TA/ NEWS	NO	E11-0127-05	
U.K.	T7																	

KRF-V7020E (X09-6262-70)

DESTINATION	UNIT No.	©	C534	C535	D504	D505	D507	D510	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
EUROPE	E8	2-70	YES	YES	NO	NO	YES	CXP82852 -136Q	YES	YES	NO	SP B	PTY	(RDS) DISPLAY	TA/ NEWS	NO	E11-0127-05	

KRF-V7020W (X09-6263-81)

DESTINATION	UNIT No.	©	C534	C535	D504	D505	D507	D510	IC51	IC52	R509	R517,526, 556	S501	S505	S511	S516	W209,501, 502	J2
RUSSIA	Q7	3-81	YES	YES	NO	YES	NO	CXP82852 -136Q	YES	YES	NO	SP B	PTY	(RDS) DISPLAY	TA/ NEWS	NO	E11-0127-05	

VR-305/306/355 (3/3)

KRF-V5010/V5020/V5020E/V5020W/V6020/V6020E/V6020W/V7020/V7020E/V7020W (3/3)

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

KRF-V5020/V6020/V7020/VR-305/306/355

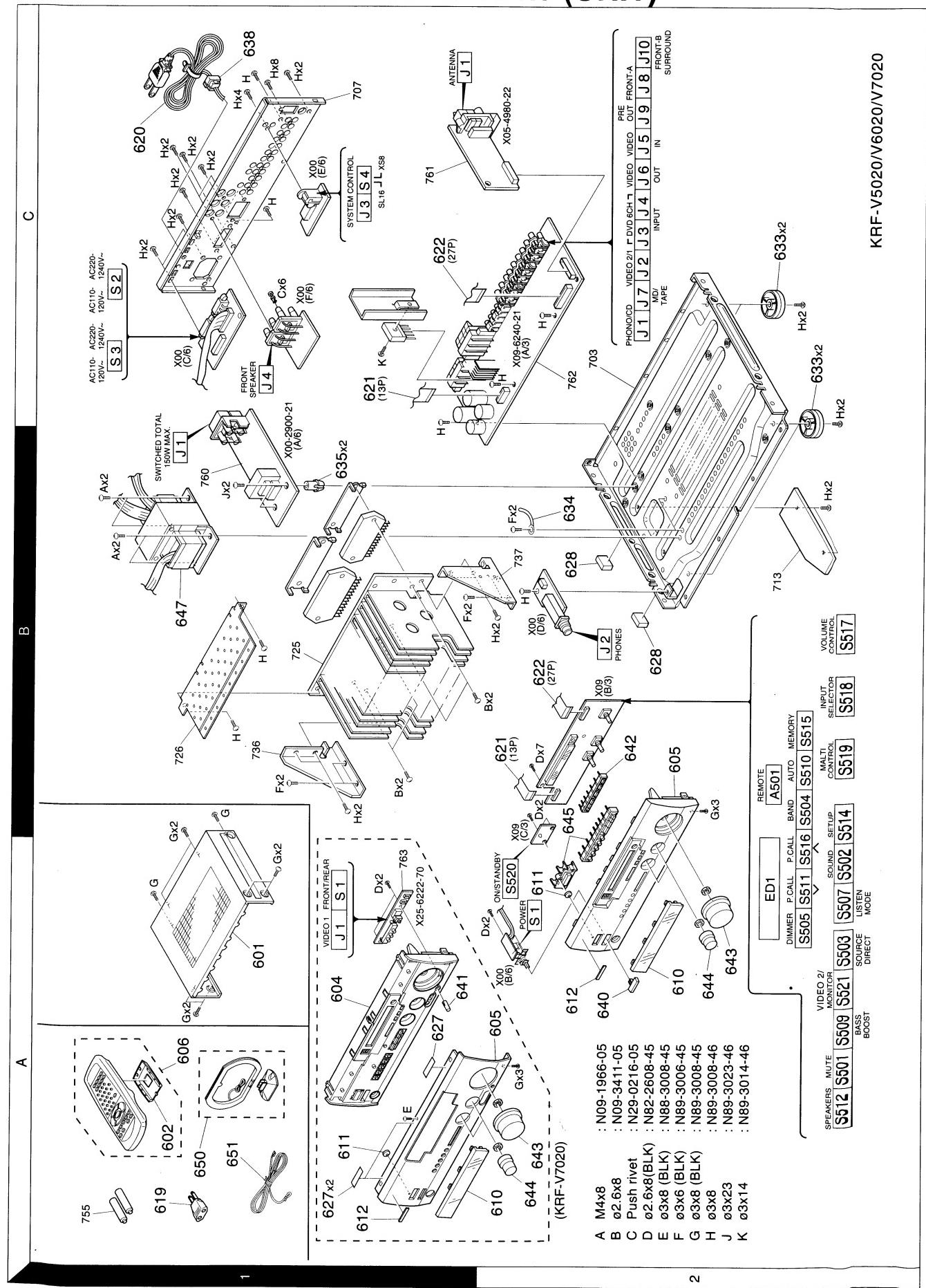
Y05-3782-70

KENWOOD

MC-Service

KRF-V5020/V6020/V7020/VR-305/306/355

EXPLODED VIEW (UNIT)



Parts with exploded numbers larger than 700 are not supplied.

KRF-V5020/V6020/V7020/VR-305/306/355 PARTS LIST

* New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

* New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

②

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
KRF-V7020/V7020E/V7020W						
601	1A		A01-3686-01	METALLIC CABINET		
602	1A		A09-0366-08	BATTERY COVER		
604	1A	*	A22-1806-11	SUB PANEL		
605	1A	*	A60-1597-02	PANEL		
606	1A		A70-1275-05	REMOTE CONTROLLER (RC-R0508)		
610	2A		B10-3425-02	FRONT GLASS		
611	1A		B12-0341-04	INDICATOR		
612	1A		B43-0320-04	KENWOOD BADGE		
			B46-0310-03	WARRANTY CARD	T7	
			B58-0945-03	CAUTION CARD		
			B58-0965-13	CAUTION CARD (T,X/PL)	T7	
			B58-0966-13	CAUTION CARD (ELM/PL)	E8	
			B58-1526-03	CAUTION CARD (P4,ORI,A4,1(Q))	Q7	
			B58-1607-03	CAUTION CARD	E8	
		*	B60-4148-00	INSTRUCTION MANUAL(EN)RC	E8T7Q7	
			B60-4149-00	INSTRUCTION MANUAL(5-LANG)RC	E7	
		*	B60-4150-00	INSTRUCTION MANUAL(PL/HU/CZ)RC	E8	
		*	B60-4151-00	INSTRUCTION MANUAL(RU)RC	Q7	
			B60-4155-00	INSTRUCTION MANUAL(EN)	E8T7Q7	
			B60-4156-00	INSTRUCTION MANUAL(FR/NE)	E7	
			B60-4157-00	INSTRUCTION MANUAL(IT/ES)	E7	
			B60-4158-00	INSTRUCTION MANUAL(GE)	E7	
			B60-4159-00	INSTRUCTION MANUAL(PL)	E8	
			B60-4160-00	INSTRUCTION MANUAL(HU/CZ)	E8	
			B60-4161-00	INSTRUCTION MANUAL(RU)	Q7	
△ 620	1C		E30-2592-15	AC POWER CORD	E7E8Q7	
△ 620	1C		E30-2721-05	AC POWER CORD	T7	
621	2B, 1C		E35-2017-05	FLAT CABLE 13P		
622	2B, 1C		E35-2042-05	FLAT CABLE 27P		
△ F1			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	E7E8Q7	
△ F3			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)		
627	1A		G10-0481-04	NON-WOVEN FABRIC		
628	2B		G11-2416-04	CUSHION		
			H10-7552-02	POLYSTYRENE FOAMED FIXTURE(L)		
			H10-7553-02	POLYSTYRENE FOAMED FIXTURE(R)		
			H25-0232-04	PROTECTION BAG (235X350X0.03)		
			H25-0391-04	PROTECTION BAG		
			H25-0651-04	PROTECTION BAG (0232)	T7	
		*	H50-3233-04	ITEM CARTON CASE	E7T7	
		*	H50-3235-04	ITEM CARTON CASE	E8	
		*	H50-3236-04	ITEM CARTON CASE	Q7	
633	2C		J02-1168-03	FOOT GOLD		
634	2B		J19-2808-05	HOLDER		
635	1B		J19-3752-14	UNIT HOLDER		
△ 638	1C		J42-0083-05	POWER CORD BUSHING		
			J61-0081-05	WIRE BAND		
			J61-0307-05	WIRE BAND		
640	2A	*	K27-2275-04	KNOB (BUTTON)	PUSH	
641	1A	*	K27-2342-04	KNOB (BUTTON)	F.AUX	
642	2B		K29-7311-03	KNOB	RDS	
643	2A		K29-7312-04	KNOB	D54	

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
KRF-V6020/V6020E/V6020W						
644	2A		K29-7313-04	KNOB D33		
△ 647	1B	*	L07-2699-05	POWER TRANSFORMER	E7E8T7	
△ 647	1B	*	L07-2700-05	POWER TRANSFORMER	Q7	
650	1A		T90-0833-05	LOOP ANTENNA		
651	1A		T90-0836-05	LEAD WIRE ANTENNA		
KRF-V5020/V6020/V7020/VR-305/306/355						
601	1A	*	A01-3613-01	METALLIC CABINET	V6	
601	1A	*	A01-3687-01	METALLIC CABINET	C6X6I6	
601	1A	*	A01-3687-01	METALLIC CABINET	E4E5Q6	
601	1A	*	A01-3687-01	METALLIC CABINET	M6	
602	1A	*	A09-0366-08	BATTERY COVER	E4	
602	1A	*	A09-1123-08	BATTERY COVER	C6X6I6	
602	1A	*	A09-1123-08	BATTERY COVER	E5Q6M6	
602	1A	*	A09-1123-08	BATTERY COVER	V6	
605	2B	*	A60-1600-01	PANEL	E4E5Q6	
605	2B	*	A60-1600-01	PANEL	M6X6I6	
605	2B	*	A60-1602-01	PANEL	C6	
605	2B	*	A60-1663-01	PANEL	V6	
606	1A	*	A70-1264-05	REMOTE CONTROLLER (RC-R0711)	I6	
606	1A	*	A70-1264-05	REMOTE CONTROLLER (RC-R0711)	M6C6X6	
606	1A	*	A70-1265-05	REMOTE CONTROLLER (RC-R0710)	V6	
606	1A	*	A70-1275-05	REMOTE CONTROLLER (RC-R0508)	E5Q6	
610	2A		B10-2439-02	FRONT GLASS	E4	
610	2A		B10-3425-02	FRONT GLASS	V6	
611	2A		B12-0334-14	INDICATOR	V6	
611	2A		B12-0341-04	INDICATOR		
612	2A		B43-0302-04	KENWOOD BADGE		
			B46-0096-53	WARRANTY CARD	X6	
			B46-0310-03	WARRANTY CARD	E4E5Q6	
			B46-0343-03	WARRANTY CARD	C6	
			B46-0344-03	WARRANTY CARD	V6	
			B58-0965-13	CAUTION CARD (T,X/PL)	X6	
			B58-0966-13	CAUTION CARD (ELM/P)	E4M6I6	
			B58-1526-03	CAUTION CARD (P4,ORI,A4,1(Q))	Q6	
			B58-1546-03	CAUTION CARD	C6V6	
			B58-1607-03	CAUTION CARD	E5	
		*	B60-4132-00	INSTRUCTION MANUAL(TC)	M6I6	
		*	B60-4149-00	INSTRUCTION MANUAL(5-LAN)RC	E4	
		*	B60-4152-00	INSTRUCTION MANUAL(EN)	M6X6I6	
		*	B60-4155-00	INSTRUCTION MANUAL(EN)	E5Q6	
		*	B60-4156-00	INSTRUCTION MANUAL(FR/NE)	E4	
		*	B60-4157-00	INSTRUCTION MANUAL(T/ES)	E4	
		*	B60-4158-00	INSTRUCTION MANUAL(GE)	E4	
		*	B60-4159-00	INSTRUCTION MANUAL(PL)	E5	
		*	B60-4160-00	INSTRUCTION MANUAL(HU/CZ)	Q6	
		*	B60-4161-00	INSTRUCTION MANUAL(RU)	C6	
		*	B60-4162-00	INSTRUCTION MANUAL(SC)	C6	
△ 619	1A		E03-0115-05	AC PLUG ADAPTER		
△ 620	1C		E30-2592-15	AC POWER CORD		
△ 620	1C		E30-2592-15	AC POWER CORD		
△ 620	1C		E30-2717-05	AC POWER CORD		
△ 620	1C		E30-2824-15	AC POWER CORD		

L : Scandinavia

Y : PX(Far East, Hawaii)

Y : AAFES(Europe)

T : Europe

X : Australia

Q : Russia

P : Canada

R : Mexico

G : Germany

H : Korea

C : China

V : China(Shanghai)

E : Europe

M : Other Areas

1 : Malaysia

Y : AAFFS(Europe)

Y : AAFES(Europe)

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R : Mexico

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V : China(Shanghai)

E : Europe

KRF-V5020/V6020/V7020/VR-305/306/355

PARTS LIST

24

* New Parts

Parts without **Parts No.** are not supplied.

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⑤

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④

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
△ 620	1C	E30-2870-05	AC POWER CORD		C6	
621	2B, 1C	E35-2017-05	FLAT CABLE 13P			
622	2B, 1C	E35-2042-05	FLAT CABLE 27P			
△ F1		F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	C6X6I6		
△ F1		F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	E4E5Q6		
△ F1		F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	M6		
△ F1		F50-0101-05	FUSE(5X20) (250V T3,15AL)	V6		
△ F2		F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	M6I6		
△ F3		F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	E4E5Q6		
628	2B	G11-2416-04	CUSHION			
	*	H10-7552-02	POLYSTYRENE FOAMED FIXTURE(L)	C6X6I6		
	*	H10-7552-02	POLYSTYRENE FOAMED FIXTURE(L)	E4E5Q6		
	*	H10-7552-02	POLYSTYRENE FOAMED FIXTURE(L)	M6		
	*	H10-7553-02	POLYSTYRENE FOAMED FIXTURE(R)	C6X6I6		
	*	H10-7553-02	POLYSTYRENE FOAMED FIXTURE(R)	E4E5Q6		
	*	H10-7553-02	POLYSTYRENE FOAMED FIXTURE(R)	M6		
	*	H10-7554-02	POLYSTYRENE FOAMED FIXTURE	V6		
	*	H10-7555-02	POLYSTYRENE FOAMED FIXTURE	V6		
	H25-0232-04	PROTECTION BAG (235X350X0.03)				
	H25-0391-04	PROTECTION BAG				
	*	H50-3237-04	ITEM CARTON CASE	E4X6		
	*	H50-3238-04	ITEM CARTON CASE	E5		
	*	H50-3239-04	ITEM CARTON CASE	Q6		
	*	H50-3240-04	ITEM CARTON CASE	M6I6		
	*	H50-3241-04	ITEM CARTON CASE	C6		
	*	H50-3259-04	ITEM CARTON CASE	V6		
633	2C	J02-1167-03	FOOT	V6		
633	2C	J02-1168-03	FOOT	GOLD	C6X6I6	
633	2C	J02-1168-03	FOOT	GOLD	E4E5Q6	
633	2C	J02-1168-03	FOOT	GOLD	M6	
634	2B	J19-2808-05	HOLDER			
635	1B	J19-3752-14	UNIT HOLDER	C6X6I6		
635	1B	J19-3752-14	UNIT HOLDER	E4E5Q6		
635	1B	J19-3752-14	UNIT HOLDER	M6		
635	1B	J19-5787-04	UNIT HOLDER	V6		
△ 638	1C	J42-0083-05	POWER CORD BUSHING			
		J61-0307-05	WIRE BAND			
640	2A	K27-2185-04	KNOB (BUTTON)	PUSH	V6	
640	2A	K27-2275-04	KNOB (BUTTON)	PUSH	C6X6I6	
640	2A	K27-2275-04	KNOB (BUTTON)	PUSH	E4E5Q6	
640	2A	K27-2275-04	KNOB (BUTTON)	PUSH	M6	
642	2B	K29-7310-03	KNOB	TUNER	I6	
642	2B	K29-7310-03	KNOB	TUNER	M6C6X6	
642	2B	K29-7311-03	KNOB	RDS	E4E5Q6	
642	2B	K29-7366-03	KNOB	TUNER	V6	
643	2A	K29-7306-14	KNOB	D54	V6	
643	2A	K29-7312-04	KNOB	D54	C6X6I6	
643	2A	K29-7312-04	KNOB	D54	E4E5Q6	
643	2A	K29-7312-04	KNOB	D54	M6	
644	2A	K29-7307-14	KNOB	D54	V6	
644	2A	K29-7313-04	KNOB	D33	C6X6I6	
644	2A	K29-7313-04	KNOB	D33	E4E5Q6	

L : Scandinavia
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Y : AA(FE)(Europe)

K : USA
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P : Canada
E : Europe
G : Germany
H : Korea

R : Mexico
V : China(Shanghai)

C : China
Q : Russia

I : Malaysia

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
644	2A		K29-7313-04	KNOB	D33	M6
645	2B		K29-7309-02	KNOB	POWER	C6X6I6
645	2B		K29-7309-02	KNOB	POWER	E4E5Q6
645	2B		K29-7309-02	KNOB	POWER	M6
645	2B		K29-7365-12	KNOB	POWER	V6
△ 647	1B	*	L07-2702-05		POWER TRANSFORMER	
△ 647	1B	*	L07-2703-05		POWER TRANSFORMER	M6I6
△ 647	1B	*	L07-2704-05		POWER TRANSFORMER	X6
△ 647	1B	*	L07-2705-05		POWER TRANSFORMER	E4E5
△ 647	1B	*	L07-2709-05		POWER TRANSFORMER	Q6C6
650	1A		T90-0833-05		LOOP ANTENNA	V6
651	1A		T90-0836-05		LEAD WIRE ANTENNA	
KRF-V5020/V5020E/V5020W/V5020(S)						
601	1A		A01-3650-01		METALLIC CABINET	E2
601	1A	*	A01-3687-01		METALLIC CABINET	E1E3T5
601	1A	*	A01-3687-01		METALLIC CABINET	Q5Y5M5
601	1A	*	A01-3687-01		METALLIC CABINET	X5I5
602	1A	*	A09-1123-08		BATTERY COVER	
605	2B	*	A60-1598-01		PANEL	E2
605	2B	*	A60-1604-01		PANEL	Y5
605	2B	*	A60-1605-01		PANEL	M5X5I5
605	2B	*	A60-1606-01		PANEL	E1E3T5
605	2B	*	A60-1606-01		PANEL	Q5
606	1A	*	A70-1264-05		REMOTE CONTROLLER(RC-R0711)	I5
606	1A	*	A70-1264-05		REMOTE CONTROLLER(RC-R0711)	Y5M5X5
606	1A	*	A70-1265-05		REMOTE CONTROLLER(RC-R0710)	E1E2E3
606	1A	*	A70-1265-05		REMOTE CONTROLLER(RC-R0710)	T5Q5
610	2A		B10-3425-02		FRONT GLASS	
611	2A		B12-0341-04		INDICATOR	
612	2A		B43-0302-04		KENWOOD BADGE	
			B46-0096-53		WARRANTY CARD	X5
			B46-0310-03		WARRANTY CARD	E1E2E3
			B46-0310-03		WARRANTY CARD	
			B46-0310-03		WARRANTY CARD	
			B46-0330-03		WARRANTY CARD	T5Q5
			B58-0513-04		CAUTION CARD (PRESET220-240)	Y5
			B58-0945-03		CAUTION CARD	T5
			B58-0964-13		CAUTION CARD (UL)	Y5
			B58-0965-13		CAUTION CARD (T,X/PL)	T5X5
			B58-0966-13		CAUTION CARD (ELM/PL)	E1E2M5
			B58-0966-13		CAUTION CARD (ELM/PL)	I5
			B58-1526-03		CAUTION CARD (P4,ORI,A4,1(Q))	Q5
			B58-1607-03		CAUTION CARD	E3
			B59-1104-00		SERVICE DIRECTORY	Y5
			B60-4132-00		INSTRUCTION MANUAL(TC)	I5
			B60-4152-00		INSTRUCTION MANUAL(EN)	I5
			B60-4152-00		INSTRUCTION MANUAL(EN)	Y1M5X5
		*	B60-4154-00		INSTRUCTION MANUAL(ES/TC)	M5
			B60-4155-00		INSTRUCTION MANUAL(EN)	E3T5Q5
			B60-4156-00		INSTRUCTION MANUAL(FR/EN)	E1E2
			B60-4157-00		INSTRUCTION MANUAL(IT/ES)	E1E2
			B60-4158-00		INSTRUCTION MANUAL(GE)	E1E2
			B60-4159-00		INSTRUCTION MANUAL(PL)	E3
			B60-4160-00		INSTRUCTION MANUAL(HU/CZ)	E3
			B60-4161-00		INSTRUCTION MANUAL(RU)	Q5

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KRF-V5020/V6020/V7020/VR-305/306/355 PARTS LIST

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
△ 619	1A	E03-0115-05	AC PLUG ADAPTER	M515		
△ 620	1C	E30-2592-15	AC POWER CORD	E1E2E3		
△ 620	1C	E30-2592-15	AC POWER CORD	Q5M515		
△ 620	1C	E30-2605-05	AC POWER CORD	Y5		
△ 620	1C	E30-2717-05	AC POWER CORD	X5		
△ 620	1C	E30-2721-05	AC POWER CORD	T5		
621	2B, 1C	E35-2017-05	FLAT CABLE 13P			
622	2B, 1C	E35-2042-05	FLAT CABLE 27P			
△ F1		F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	Y5M515		
△ F2		F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	E1E2E3		
△ F3		F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	Q5		
△ F3		F05-2525-05	FUSE (SEMKO) (250V T2.5AL)			
628	2B	G11-2416-04	CUSHION			
-		H10-7552-02	POLYSTYRENE FOAMED FIXTURE(L)			
-		H10-7553-02	POLYSTYRENE FOAMED FIXTURE(R)			
-		H25-0232-04	PROTECTION BAG (235X350X0.03)	E1E2E3		
-		H25-0232-04	PROTECTION BAG (235X350X0.03)	Q5Y5M5		
-		H25-0232-04	PROTECTION BAG (235X350X0.03)	X5		
-		H25-0391-04	PROTECTION BAG			
-		H25-0651-04	PROTECTION BAG (0232)	T5		
-	*	H50-3243-04	ITEM CARTON CASE	E1T5Y5		
-	*	H50-3243-04	ITEM CARTON CASE	X5		
-	*	H50-3244-04	ITEM CARTON CASE	M515		
-	*	H50-3245-04	ITEM CARTON CASE	E3		
-	*	H50-3246-04	ITEM CARTON CASE	Q5		
-	*	H50-3257-04	ITEM CARTON CASE	E2		
633	2C	J02-1168-03	FOOT GOLD	E1E2E3		
633	2C	J02-1168-03	FOOT GOLD	T5Q5M5		
633	2C	J02-1168-03	FOOT GOLD	X5		
633	2C	J02-1407-03	FOOT TIN (D=46, H=14.5, T)	Y5		
634	2B	J19-2808-05	HOLDER			
△ 635	1B	J19-3752-14	UNIT HOLDER			
638	1C	J42-0083-05	POWER CORD BUSHING			
		J61-0307-05	WIRE BAND			
640	2A	K27-2275-04	KNOB (BUTTON) PUSH	E1E3T5		
640	2A	K27-2275-04	KNOB (BUTTON) PUSH	I5		
640	2A	K27-2275-04	KNOB (BUTTON) PUSH	Q5M5X5		
640	2A	K27-2293-04	KNOB (BUTTON) PUSH, GOLD	Y5		
640	2A	K27-2312-04	KNOB (BUTTON) PUSH, SILVER	E2		
642	2B	K29-7310-03	KNOB TUNER	M5X515		
642	2B	K29-7311-03	KNOB RDS	E1E3T5		
642	2B	K29-7311-03	KNOB RDS	Q5		
642	2B	K29-7323-03	KNOB TUNER, GOLD	Y5		
642	2B	K29-7428-03	KNOB TUNER, SILVER	E2		
643	2A	K29-7312-04	KNOB D54	E1E3T5		
643	2A	K29-7312-04	KNOB D54	I5		
643	2A	K29-7312-04	KNOB D54	Q5M5X5		
643	2A	K29-7325-04	KNOB D54, GOLD	Y5		
643	2A	K29-7429-04	KNOB D54, SILVER	E2		
644	2A	K29-7313-04	KNOB D33	E1E3T5		
644	2A	K29-7313-04	KNOB D33	I5		
644	2A	K29-7313-04	KNOB D33	Q5M5X5		
644	2A	K29-7326-04	KNOB D33, GOLD	Y5		
644	2A	K29-7430-04	KNOB D33, SILVER	E2		

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645	2B		K29-7309-02	KNOB POWER	E1E3T5	
645	2B		K29-7309-02	KNOB POWER	I5	
645	2B		K29-7309-02	KNOB POWER	Q5M5X5	
645	2B		K29-7321-02	KNOB POWER, GOLD	Y5	
645	2B		K29-7427-02	KNOB POWER, SILVER	E2	
△ 647	1B		L07-2702-05	POWER TRANSFORMER	Y5M515	
△ 647	1B		L07-2703-05	POWER TRANSFORMER	X5	
△ 647	1B		L07-2704-05	POWER TRANSFORMER	E1E2E3	
△ 647	1B		L07-2704-05	POWER TRANSFORMER	T5	
△ 647	1B		L07-2705-05	POWER TRANSFORMER	Q5	
650	1A		T90-0833-05	LOOP ANTENNA		
651	1A		T90-0836-05	LEAD WIRE ANTENNA		

VR-305/306/355

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
601	1A		A01-3533-01	METALLIC CABINET	K3P3	
602	1A		A09-0366-08	BATTERY COVER	K1P1K2	
602	1A	*	A09-1123-08	BATTERY COVER	P2	
602	1A	*	A09-1123-08	BATTERY COVER	K1P1	
605	1B	*	A60-1596-01	PANEL	K2P2	
605	1B	*	A60-1607-01	PANEL	K3P3	
606	1A	*	A70-1264-05	REMOTE CONTROLLER(RC-R0711)	K1P1K1	
606	1A	*	A70-1264-05	REMOTE CONTROLLER(RC-R0711)	P2	
606	1A	*	A70-1271-05	REMOTE CONTROLLER(RC-R0608)	K3P3	
610	2A		B10-2439-02	FRONT GLASS		
611	2A		B12-0334-14	INDICATOR		
612	2A		B43-0302-04	KENWOOD BADGE		
			B46-0197-00	QUESTIONNAIRE CARD	K1K2K3	
			B46-0330-03	WARRANTY CARD	K1K2K3	
			B46-0336-03	WARRANTY CARD	K1P2P3	
			B58-0964-13	CAUTION CARD (UL)	K1K2K3	
			B58-0967-03	CAUTION CARD (P/PL)	P1P2P3	
			B60-4144-00	INSTRUCTION MANUAL(EN)RC	P3	
			B60-4145-00	INSTRUCTION MANUAL(FR)RC		
△ 620	1C	*	E30-2909-05	AC POWER CORD		
621	2B, 1C	*	E35-2017-05	FLAT CABLE 13P		
622	2B, 1C	*	E35-2042-05	FLAT CABLE 27P		
△ F1			F50-0077-05	FUSE(5X20)		
628	2B	*	G11-2415-04	CUSHION		
		*	H10-7554-02	POLYSTYRENE FOAMED FIXTURE(L)		
		*	H10-7555-02	POLYSTYRENE FOAMED FIXTURE(R)		
		*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
		*	H25-0391-04	PROTECTION BAG		
		*	H50-3232-04	ITEM CARTON CASE	K1P1	
		*	H50-3242-04	ITEM CARTON CASE	K2P2	
		*	H50-3247-04	ITEM CARTON CASE	K3P3	
633	2C		J02-1405-03	FOOT (D=46, H=14.5, T)		
634	2B		J19-2808-05	HOLDER		
635	1B		J19-5787-04	UNIT HOLDER		
			J42-0083-05	POWER CORD BUSHING		
			J61-0307-05	WIRE BAND		

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<tbl_r cells="7" ix="2" maxcspan="1" maxrspan="1" usedcols

KRF-V5020/V6020/V7020/VR-305/306/355

PARTS LIST

KRF-V5020/V6020/V7020/VR-305/306/355

PARTS LIST

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C36			CK73FB1H103K	CHIP C 0.010UF	K	
C37, 38			CE04LW1C100M	ELECTRO 10UF	16WV	
C39			CC73FCH1H060D	CHIP C 6.0PF	D	
C40			CC73FCH1H020C	CHIP C 2.0PF	C	
C41			CC73FCH1H220J	CHIP C 22PF	J	
C42			CC73FCH1H120J	CHIP C 12PF	J	EQTMCX
C42			CC73FCH1H120J	CHIP C 12PF	J	YI
C42			CC73FCH1H270J	CHIP C 27PF	J	KPV
C43			CC73FCH1H100D	CHIP C 10PF	D	EQTMCX
C43			CC73FCH1H100D	CHIP C 10PF	D	YI
C43			CC73FCH1H220J	CHIP C 22PF	J	KPV
C44			CK73FB1H1471K	CHIP C 470PF	K	
C45			CC73FCH1H220J	CHIP C 22PF	J	
C46			CE04LW1C100M	ELECTRO 10UF	16WV	
C47			CK73FB1H102K	CHIP C 1000PF	K	
C48			CE04LW1C470M	ELECTRO 47UF	16WV	
C49			CE04LW1H2R2M	ELECTRO 2.2UF	50WV	
C50			CC73FSL1H101J	CHIP C 100PF	J	
C51			CK73FB1H1471K	CHIP C 470PF	K	
C52			CC73FSL1H101J	CHIP C 100PF	J	
C70, 71			CK73FB1H822K	CHIP C 8200PF	K	EQT
C72			CE04LW1H1010M	ELECTRO 1.0UF	50WV	
C73			CE04LW1C470M	ELECTRO 47UF	16WV	
C74			CK73FB1H102K	CHIP C 1000PF	K	KP
C75			CC73FCH1H040C	CHIP C 4.0PF	C	
C76			CC73FCH1H470J	CHIP C 47PF	J	
C78			CK73FB1H223K	CHIP C 0.022UF	K	
C79, 80			CK73FB1H472K	CHIP C 4700PF	K	EQT
C81			CK73FF1C105Z	CHIP C 1.0UF	Z	
C82			CK73FB1H103K	CHIP C 0.010UF	K	EQT
C83			CC73FSL1H101J	CHIP C 100PF	J	
C84, 85			CK73FB1H223K	CHIP C 0.022UF	K	
C86			CK73FB1H471K	CHIP C 470PF	K	
C88			CK73FB1H332K	CHIP C 3300PF	K	
C89, 90			CK73FB1H472K	CHIP C 4700PF	K	KP
C89, 90			CK73FB1H472K	CHIP C 4700PF	K	MCXYIV
C91			CK73FF1C105Z	CHIP C 1.0UF	Z	
CN1			E40-9831-05	SOCKET FOR PIN ASSY		
CN2			E40-4871-05	PIN ASSY		
J1			E20-0321-05	LOCK TERMINAL BOARD(2P,F)		EQT
J1			E20-0321-05	LOCK TERMINAL BOARD(2P,F)		EQTMCX
J1			E70-0052-05	LOCK TERMINAL BOARD		YI
J1			E70-0052-05	LOCK TERMINAL BOARD		KP
CF1, 2			L72-0531-05	CERAMIC FILTER		MCXYIV
CF1, 2			L72-0536-05	CERAMIC FILTER		EQT
CF1, 2			L72-0596-05	CERAMIC FILTER		KP
CF3			L72-0607-05	CERAMIC FILTER		MCXYIV
CF3			L72-0607-05	CERAMIC FILTER		EQT
L1			L39-1366-05	COMBINATION COIL		
L2			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L3			L30-0911-05	AM IFT		
L4			L30-0950-05	FM IFT		EQT
L5			L30-0951-05	FM IFT		EQT

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks	
L6, 7			L79-1239-05	LC FILTER		EQT	
L9			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		EQXTMC	
L9			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		YI	
L9			L40-1001-82	SMALL FIXED INDUCTOR(10UH)		KPV	
X1			L77-2187-05	CRYSTAL RESONATOR		KPV	
X1			L77-2232-05	CRYSTAL RESONATOR		EQTMCX	
X1			L77-2232-05	CRYSTAL RESONATOR		YI	
R1			RK73FB2A101J	CHIP R 100	J	1/10W	
R4			RK73FB2A681J	CHIP R 680	J	1/10W	
R5			RK73FB2A332J	CHIP R 3.3K	J	1/10W	
R6			RK73FB2A221J	CHIP R 220	J	1/10W	
R7			RK73FB2A821J	CHIP R 820	J	1/10W	
R8			RK73FB2A100J	CHIP R 10	J	1/10W	
R8			RK73FB2A330J	CHIP R 33	J	1/10W	
R8			RK73FB2A330J	CHIP R 33	J	1/10W	
R9			RK73FB2A391J	CHIP R 390	J	1/10W	
R10			RK73FB2A102J	CHIP R 1.0K	J	1/10W	
R11			RK73FB2A220J	CHIP R 22	J	1/10W	
R11			RK73FB2A330J	CHIP R 33	J	1/10W	
R11			RK73FB2A330J	CHIP R 33	J	1/10W	
R12			RK73FB2A101J	CHIP R 100	J	1/10W	
R14			RK73FB2A101J	CHIP R 100	J	1/10W	
R14			RK73FB2A271J	CHIP R 270	J	1/10W	
R14			RK73FB2A271J	CHIP R 270	J	1/10W	
R15			RK73FB2A333J	CHIP R 33K	J	1/10W	
R16			RK73FB2A220J	CHIP R 22	J	1/10W	
R17			RK73FB2A362J	CHIP R 3.6K	J	1/10W	
R18			RK73FB2A302J	CHIP R 3.0K	J	1/10W	
R19			RK73FB2A822J	CHIP R 8.2K	J	1/10W	
R20			RK73FB2A392J	CHIP R 3.9K	J	1/10W	
R23			RK73FB2A153J	CHIP R 15K	J	1/10W	
R23			RK73FB2A332J	CHIP R 3.3K	J	1/10W	
R23			RK73FB2A332J	CHIP R 3.3K	J	1/10W	
R25			RK73FB2A183J	CHIP R 18K	J	1/10W	
R25			RK73FB2A183J	CHIP R 18K	J	1/10W	
R25			RK73FB2A273J	CHIP R 27K	J	1/10W	
R27, 28			RK73FB2A432J	CHIP R 4.3K	J	1/10W	
R27, 28			RK73FB2A752J	CHIP R 7.5K	J	1/10W	
R27, 28			RK73FB2A752J	CHIP R 7.5K	J	1/10W	
R30			RK73FB2A561J	CHIP R 560	J	1/10W	
R31			RK73FB2A473J	CHIP R 47K	J	1/10W	
R32			RK73FB2A272J	CHIP R 2.7K	J	1/10W	
R32			RK73FB2A272J	CHIP R 2.7K	J	1/10W	
R33, 34			RK73FB2A102J	CHIP R 1.0K	J	1/10W	
R35			RK73FB2A101J	CHIP R 100	J	1/10W	
R36			RK73FB2A102J	CHIP R 1.0K	J	1/10W	
R37			RK73FB2A392J	CHIP R 3.9K	J	1/10W	
R38			RK73FB2A102J	CHIP R 1.0K	J	1/10W	
R39			RK73FB2A103J	CHIP R 10K	J	1/10W	
R42			RK73FB2A103J	CHIP R 10K	J	1/10W	
R43			RK73FB2A221J	CHIP R 220	J	1/10W	
R44			RD14NB2E271J	RD	270	J	1/4W
R45			RK73EB2B102J	CHIP R 1.0K	J	1/8W	
R46			RK73FB2A102J	CHIP R 1.0K	J	1/10W	

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C106, 107			CE04KW1HR33M	ELECTRO	0.33UF	50WV
C108, 109			CQ93FMG1H822J	MYLAR	8200PF	J
C110			CC73FSL1H471J	CHIP C	470PF	J
C111~118			CE04KW1V4R7M	ELECTRO	4.7UF	35WV
C119, 120			CE04KW1H3R3M	ELECTRO	3.3UF	50WV
C121			CC73FSL1H221J	CHIP C	220PF	J
C122			CE04KW1H010M	ELECTRO	1.0UF	50WV
C123~126			CC73FSL1H101J	CHIP C	100PF	J
C127, 128			CE04KW1C100M	ELECTRO	10UF	16WV
C129			CE04KW1C101M	ELECTRO	100UF	16WV
C130			CE04KW1C470M	ELECTRO	47UF	16WV
C131~134			CE04KW1C100M	ELECTRO	10UF	16WV
C135			CK73FB1C104K	CHIP C	0.10UF	K
C136			CK73FB1H562K	CHIP C	5600PF	K
C137			CE04KW1C100M	ELECTRO	10UF	16WV
C138			CE04KW1E221M	ELECTRO	220UF	25WV
C139			CE04KW1C220M	ELECTRO	22UF	16WV
C140, 141			CK73FF1E104Z	CHIP C	0.10UF	Z
C142			CK73FB1H681K	CHIP C	680PF	K
C143, 144			CK73FF1E104Z	CHIP C	0.10UF	Z
C145			CK73FB1H681K	CHIP C	680PF	K
C146			CQ93FMG1H104J	MYLAR	0.10UF	J
C147, 148			CQ93FMG1H223J	MYLAR	0.022UF	J
C149, 150			CK73FB1C104K	CHIP C	0.10UF	K
C151, 152			CQ93FMG1H473J	MYLAR	0.047UF	J
C153			CK73FB1C104K	CHIP C	0.10UF	K
C154			CK73FF1C224Z	CHIP C	0.22UF	Z
C155			CQ93FMG1H224J	MYLAR	0.22UF	J
C156, 157			CE04KW1V4R7M	ELECTRO	4.7UF	35WV
C158			CQ93FMG1H224J	MYLAR	0.22UF	J
C159			CK73FF1C224Z	CHIP C	0.22UF	Z
C160			CK73FF1C105Z	CHIP C	1.0UF	Z
C161			CK73EB1E473K	CHIP C	0.047UF	K
C162			CK73FB1H562K	CHIP C	5600PF	K
C163			CK73FB1H221K	CHIP C	220PF	K
C164			CK73FB1H103K	CHIP C	0.010UF	K
C165			CK73FB1C104K	CHIP C	0.10UF	K
C169			CK73FB1H182K	CHIP C	1800PF	K
C170			CK73FB1H103K	CHIP C	0.010UF	K
C171			CQ93FMG1H683J	MYLAR	0.068UF	J
C172, 173			CQ93FMG1H104J	MYLAR	0.10UF	J
C174			CQ93FMG1H683J	MYLAR	0.068UF	J
C175			CQ93FMG1H182J	MYLAR	1800PF	J
C176			CK73FB1H103K	CHIP C	0.010UF	K
C177			CE04KW1H010M	ELECTRO	1.0UF	50WV
C178			CE04KW1C220M	ELECTRO	22UF	16WV
C181, 182			CE04KW1V4R7M	ELECTRO	4.7UF	35WV
C183, 184			CC73FSL1H471J	CHIP C	470PF	J
C193, 194			CE04KW1V4R7M	ELECTRO	4.7UF	35WV
C195, 196			CC73FSL1H471J	CHIP C	470PF	J
C197			CE04KW1V4R7M	ELECTRO	4.7UF	35WV
C203			CC45FSL1H101J	CERAMIC	100PF	J
C204			CK45FF1H103Z	CERAMIC	0.010UF	Z
C205			CE04KW1V4R7M	ELECTRO	4.7UF	35WV
C206			CK45FB2H392K	CERAMIC	3900PF	K

L:Scandinavia
Y:PX(Far East, Hawaii)
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X:USA
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* New Parts
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14

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
C207, 208			CC73FSL1H471J	CHIP C	470PF	J
C212			CC73FSL1H101J	CHIP C	100PF	J
C214			CE04KW1H010M	ELECTRO	1.0UF	50WV
C215			CE04HW1E220M	NP-ELEC	22UF	25WV
C216, 217			CK73FB1H221K	CHIP C	220PF	K
C218, 219			CE04KW1C100M	ELECTRO	10UF	16WV
C220, 221			CE04KW1A101M	ELECTRO	100UF	10WV
C222, 223			CC73FCH1H100D	CHIP C	10PF	D
C222, 223			CC73FCH1H150J	CHIP C	15PF	J
C222, 231			CC73FCH1H150J	ELECTRO	10UF	100WV
C226			CK45FB2H392K	CERAMIC	3900PF	K
C227			CE04KW2A100M	ELECTRO	10UF	100WV
C228, 229			CE04KW1H470M	ELECTRO	47UF	50WV
C230, 231			CK45FB2H392K	CERAMIC	3900PF	K
C232			CE04KW2A100M	ELECTRO	10UF	100WV
C233~235			CK73FB1H221K	CHIP C	220PF	K
C236~238			CE04KW1C100M	ELECTRO	10UF	16WV
C239~241			CE04KW1A101M	ELECTRO	100UF	10WV
C242~244			CC73FCH1H100D	CHIP C	10PF	D
C242~244			CC73FCH1H150J	CHIP C	15PF	J
C247, 248			CC73FCH1H150J	ELECTRO	10UF	100WV
C249, 250			CE04KW2A100M	ELECTRO	47UF	50WV
C253~257			CK73FB1H102K	CHIP C	1000PF	K
C268			CE04KW1V4R7M	ELECTRO	4.7UF	35WV
C269			CE04KW0J221M	ELECTRO	220UF	6.3WV
C270			CK73FB1H472K	CHIP C	4700PF	K
C270~272			CK73FB1H472K	CHIP C	4700PF	K
C271			CK73FB1H472K	CHIP C	4700PF	K
C271			CK73FB1H472K	CHIP C	4700PF	K
C272			CK73FB1H472K	CHIP C	4700PF	K
C273, 274			CK73FB1H472K	CHIP C	4700PF	K
C275, 276			CK73FB1H472K	CHIP C	4700PF	K
C277~279			CK45FB1H102K	CERAMIC	1000PF	K
C280			CK45FB1H102K	CERAMIC	1000PF	K
C281			CK45FF1H472Z	CERAMIC	4700PF	Z
C281, 283			CC73FSL1H101J	CHIP C	100PF	Z
C284, 285			CC73FSL1H561J	CHIP C	560PF	J
C300			CQ93FMG1H184J	MYLAR	0.18UF	J
C302			C91-1480-05	MP	0.22UF	250WV
C302			C91-1480-05	MP	0.22UF	250WV
C304, 305			C90-3832-05	ELECTRO	4700UF	75WV
C304, 305			C90-3832-05	ELECTRO	4700UF	75WV
C305	*		C90-3833-05	ELECTRO	4700UF	63WV
C306, 307			C90-3834-05	ELECTRO	3300UF	42WV
C306, 307			C90-3834-05	ELECTRO	3300UF	42WV
C308	*		C90-3835-05	ELECTRO	3300UF	35WV
C308	*		CE04KW1V222M	ELECTRO	2200UF	35WV
C309			CE04KW1V471M	ELECTRO	470UF	35WV
C310~313			CK73FF1C224Z	CHIP C	0.22UF	Z
C314, 315			CE04KW1E101M	ELECTRO	100UF	25WV
C316			CE04KW2A220M	ELECTRO	22UF	100WV
C317			CE04KW1H470M	ELECTRO	47UF	50WV

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PARTS LIST

MC-Service

* New Parts

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
C320			CE04KW1H010M	ELECTRO	1.0UF	50WV
C326			CE04KW1C470M	ELECTRO	47UF	16WV
C327			CE04KW1H010M	ELECTRO	1.0UF	50WV
C330			CE04KW1C100M	ELECTRO	10UF	16WV
C350			CE04KW1A101M	ELECTRO	100UF	10WV
C351, 352			CE04KW1H100M	ELECTRO	10UF	50WV
C359~363			CE04KW1H010M	ELECTRO	1.0UF	50WV
C400			CE04KW1C330M	ELECTRO	33UF	16WV
C401~410			CK73EB1H104K	CHIP C	0.10UF	K
C411, 412			CE04KW1C220M	ELECTRO	22UF	16WV
C413			CK73EB1H104K	CHIP C	0.10UF	K
C414			CK73FB1C104K	CHIP C	0.10UF	K
C501~503			CK45FF1H103Z	CERAMIC	0.010UF	Z
C504			CK73FB1H103K	CHIP C	0.010UF	K
C505			CK45FF1H103Z	CERAMIC	0.010UF	Z
C506			CK45FB1H102K	CERAMIC	1000PF	K
C507			CK45FF1H103Z	CERAMIC	0.010UF	Z
C508, 509			CE04KW1A101M	ELECTRO	100UF	10WV
C510			CC45FSL1H331J	CERAMIC	330PF	J
C511			CK73FB1H103K	CHIP C	0.010UF	K
C512, 513			CK45FF1H103Z	CERAMIC	0.010UF	Z
C514			CK73FB1H103K	CHIP C	0.010UF	K
C515			CK45FB1H561K	CERAMIC	560PF	K
C516			CE04KW1H2R2M	ELECTRO	2.2UF	50WV
C517			CE04KW1H010M	ELECTRO	1.0UF	50WV
C518			CK73FB1H103K	CHIP C	0.010UF	K
C519~521			CK45FF1H103Z	CERAMIC	0.010UF	Z
C522			CK45FF1H103Z	CERAMIC	0.010UF	Z
C523			CE04KW1A101M	ELECTRO	100UF	10WV
C524			CK45FF1H103Z	CERAMIC	0.010UF	Z
C525			CE04KW1H010M	ELECTRO	1.0UF	50WV
C526			C90-3214-05	ELECTRO	100UF	6.3WV
C527			CC73FC1H470J	CHIP C	47PF	J
C528			CC73FC1H180J	CHIP C	18PF	J
C529, 530			CE04KW1V4R7M	ELECTRO	4.7UF	35WV
C531			CK73FB1H103K	CHIP C	0.010UF	K
C532			CK73FB1H102K	CHIP C	1000PF	K
C533			CK73EB1H102K	CHIP C	1000PF	K
C533			CK73EB1H102K	CHIP C	1000PF	K
C534			C90-1827-05	ELECTRO	0.047F	5.5WV
C535			CE04KW0J471M	ELECTRO	470UF	6.3WV
C536			CK45FB1H102K	CERAMIC	1000PF	K
C537			CC45FSL1H101J	CERAMIC	100PF	J
C538			CC73FSL1H101J	CHIP C	100PF	J
C540			CC45FSL1H101J	CERAMIC	100PF	J
CN1			E40-4299-05	PIN ASSY		
CN2			E40-4248-05	PIN ASSY		
CN7			E40-8196-05	PIN ASSY		
CN8			E40-8260-05	FLAT CABLE CONNECTOR		
CN9			E40-8251-05	FLAT CABLE CONNECTOR		
CN10			E40-9848-05	PIN ASSY		
CN11			E40-3247-05	PIN ASSY		
CN51			E40-9250-05	FLAT CABLE CONNECTOR		
CN53			E40-8250-05	FLAT CABLE CONNECTOR		

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks	
J1			E63-0046-15	PHONO JACK		EQTMCX	
J1			E63-0046-15	PHONO JACK		YI	
J1			E63-0172-05	PHONO JACK		KPV	
J2			E63-0047-15	PHONO JACK		EQTMCX	
J2			E63-0047-15	PHONO JACK		YI	
J2			E63-0173-05	PHONO JACK		KPV	
J3, 4			E63-1014-05	PHONO JACK		EQTMCX	
J3, 4			E63-1014-05	PHONO JACK		YI	
J3, 4			E63-1017-05	PHONO JACK		KPV	
J5			E63-1018-05	PHONO JACK		KPV	
J5			E63-1050-05	PHONO JACK		EQTMCX	
J5			E63-1050-05	PHONO JACK		YI	
J6			E63-1019-05	PHONO JACK		KPV	
J6			E63-1051-05	PHONO JACK		EQTMCX	
J6			E63-1051-05	PHONO JACK		YI	
J7			E63-0046-15	PHONO JACK		EQTMCX	
J7			E63-0046-15	PHONO JACK		YI	
J7			E63-0172-05	PHONO JACK		KPV	
J8			E70-0046-05	LOCK TERMINAL BOARD		5	
J8			E70-0082-05	LOCK TERMINAL BOARD		KP	
J9			E63-0114-05	PHONO JACK		EQT	
J10			E70-0047-05	LOCK TERMINAL BOARD		67	
J10			E70-0057-05	LOCK TERMINAL BOARD		5	
J10			E70-0094-05	LOCK TERMINAL BOARD		KP	
J11			E63-0116-05	PHONO JACK		MCXYI	
J11			E63-1016-05	PHONO JACK		KPV	
J11			E29-1634-14	LEAD PLATE			
L1~5			L39-1373-05	PHASE COMPENSATION COIL		EQT	
L501			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		EQT	
L502			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		EQT	
X1			L78-0244-05	RESONATOR (4MHZ)			
X501			L78-0290-05	RESONATOR (8MHZ)			
X502			L77-2002-05	CRYSTAL RESONATOR(4.332MHZ)		EQT	
R1, 2			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R3, 4			RK73FB2A273J	CHIP R	27K	J	1/10W
R5, 6			RK73FB2A101J	CHIP R	100	J	1/10W
R13, 14			RK73FB2A473J	CHIP R	47K	J	1/10W
R17, 18			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R19, 20			RK73FB2A224J	CHIP R	220K	J	1/10W
R21~24			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R25, 26			RK73FB2A224J	CHIP R	220K	J	1/10W
R27, 28			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R29, 30			RK73FB2A224J	CHIP R	220K	J	1/10W
R31, 32			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R33, 34			RK73FB2A224J	CHIP R	220K	J	1/10W
R35, 36			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R37, 38			RK73FB2A224J	CHIP R	220K	J	1/10W
R39, 40			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R41, 42			RK73FB2A224J	CHIP R	220K	J	1/10W
R43			RK73FB2A102J	CHIP R	1.0K	J	1/10W
R44			RK73FB2A103J	CHIP R	10K	J	1/10W
R45			RK73FB2A224J	CHIP R	220K	J	1/10W
R46			RK73FB2A392J	CHIP R	3.9K	J	1/10W

L : Scandinavia
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KRF-V5020/V6020/V7020/VR-305/306/355 PARTS LIST

* New Parts

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17

* New Parts

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1

Ref. No	Address	New Parts	Parts No.	Description				Destination	Remarks
R47, 48			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R49, 50			RK73FB2A224J	CHIP R	220K	J	1/10W		
R51~53			RK73FB2A750J	CHIP R	75	J	1/10W		
R56, 57			RK73FB2A332J	CHIP R	3.3K	J	1/10W		
R59, 60			RK73FB2A104J	CHIP R	100K	J	1/10W		
R67, 68			RK73FB2A104J	CHIP R	100K	J	1/10W		
R69, 70			RK73FB2A4R7J	CHIP R	4.7	J	1/10W		
R71, 72			RK73FB2A224J	CHIP R	220K	J	1/10W		
R93, 94			RS14KB3A391J	FL-PROOF RS	390	J	1W		
R96			RK73FB2A432J	CHIP R	4.3K	J	1/10W		
R97			RK73EB2B224J	CHIP R	220K	J	1/8W		
R98~102			RK73FB2A224J	CHIP R	220K	J	1/10W		
R109			RS14KB3A221J	FL-PROOF RS	220	J	1W		
R110			RS14KB3A271J	FL-PROOF RS	270	J	1W		
R111~113			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R116, 117			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R118			RK73FB2A473J	CHIP R	47K	J	1/10W		
R119			RK73FB2A223J	CHIP R	22K	J	1/10W		
R122			RK73FB2A103J	CHIP R	10K	J	1/10W		
R123			RK73FB2A203J	CHIP R	20K	J	1/10W		
R124			RK73FB2A105J	CHIP R	1.0M	J	1/10W		
R125			RK73FB2A224J	CHIP R	220K	J	1/10W		
R126			RK73FB2A104J	CHIP R	100K	J	1/10W		
R127			RK73FB2A475J	CHIP R	4.7M	J	1/10W		
R128			RK73FB2A752J	CHIP R	7.5K	J	1/10W		
R129			RK73FB2A153J	CHIP R	15K	J	1/10W		
R130			RK73FB2A473J	CHIP R	47K	J	1/10W		
R131			RK73FB2A752J	CHIP R	7.5K	J	1/10W		
R132			RK73FB2A153J	CHIP R	15K	J	1/10W		
R133			RK73FB2A473J	CHIP R	47K	J	1/10W		
R134			RD14NB2E221J	RD	220	J	1/4W		
R135			RS14KB3D680J	FL-PROOF RS	68	J	2W		
R136			RK73FB2A334J	CHIP R	330K	J	1/10W		
R137, 138			RK73FB2A243J	CHIP R	24K	J	1/10W		
R145, 146			RK73FB2A122J	CHIP R	1.2K	J	1/10W		
R147, 148			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R149, 150			RK73FB2A104J	CHIP R	100K	J	1/10W		
R157, 158			RK73FB2A222J	CHIP R	2.2K	J	1/10W		
R161, 162			RK73FB2A122J	CHIP R	1.2K	J	1/10W		
R163, 164			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R165, 166			RK73FB2A104J	CHIP R	100K	J	1/10W		
R173, 174			RK73FB2A222J	CHIP R	2.2K	J	1/10W		
R177, 178			RK73FB2A122J	CHIP R	1.2K	J	1/10W		
R179, 180			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R181, 182			RK73FB2A104J	CHIP R	100K	J	1/10W		
R183			RK73FB2A153J	CHIP R	15K	J	1/10W		
R184			RK73FB2A391J	CHIP R	390	J	1/10W		
R186			RK73FB2A183J	CHIP R	18K	J	1/10W		
R189, 190			RK73FB2A222J	CHIP R	2.2K	J	1/10W		
R191			RK73FB2A104J	CHIP R	100K	J	1/10W		
R192, 193			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R194			RK73FB2A223J	CHIP R	22K	J	1/10W		
R195			RK73FB2A104J	CHIP R	100K	J	1/10W		
R196, 197			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R198			RK73FB2A104J	CHIP R	100K	J	1/10W		

Ref. No	Address	New Parts	Parts No.	Description				Destination	Remark
R199, 200			RK73FB2A223J	CHIP R	22K	J	1/10W		
R201, 202			RK73FB2A104J	CHIP R	100K	J	1/10W		
R203, 204			RK73FB2A563J	CHIP R	56K	J	1/10W		
R207, 208			RK73EB2B331J	CHIP R	330	J	1/8W	K1P1	
R207, 208			RK73FB2A361J	CHIP R	360	J	1/10W	K2P2	
R207, 208			RK73FB2A361J	CHIP R	360	J	1/10W	K3P3	
R207, 208			RK73FB2A361J	CHIP R	360	J	1/10W	MCXYIV	
R207, 208			RK73FB2A431J	CHIP R	430	J	1/10W	E7E8	
R207, 208			RK73FB2A431J	CHIP R	430	J	1/10W	T7Q7	
R207, 208			RK73FB2A471J	CHIP R	470	J	1/10W	E1E2E3	
R207, 208			RK73FB2A471J	CHIP R	470	J	1/10W	E4E5	
R207, 208			RK73FB2A471J	CHIP R	470	J	1/10W	Q5Q6	
R209, 210			RK73FB2A563J	CHIP R	56K	J	1/10W		
R214, 215			RD14NB2E103J	RD	10K	J	1/4W		
R216			RS14KB3A392J	FL-PROOF RS	3.9K	J	1W		
R217~219			RK73FB2A104J	CHIP R	100K	J	1/10W		
R220			RS14KB3A392J	FL-PROOF RS	3.9K	J	1W		
R221, 222			RK73FB2A563J	CHIP R	56K	J	1/10W		
R224			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R225, 226			RK73FB2A331J	CHIP R	330	J	1/10W	K1P1	
R225, 226			RK73FB2A361J	CHIP R	360	J	1/10W	K2P2	
R225, 226			RK73FB2A361J	CHIP R	360	J	1/10W	K3P3	
R225, 226			RK73FB2A431J	CHIP R	430	J	1/10W	MCXYIV	
R225, 226			RK73FB2A431J	CHIP R	430	J	1/10W	E7E8	
R225, 226			RK73FB2A431J	CHIP R	430	J	1/10W	T7Q7	
R225, 226			RK73FB2A471J	CHIP R	470	J	1/10W	E1E2E3	
R225, 226			RK73FB2A471J	CHIP R	470	J	1/10W	E4E5	
R225, 226			RK73FB2A471J	CHIP R	470	J	1/10W	Q5Q6	
R229, 230			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R231			RK73FB2A563J	CHIP R	56K	J	1/10W		
R233			RK73FB2A331J	CHIP R	330	J	1/10W	K1P1	
R233			RK73FB2A361J	CHIP R	360	J	1/10W	K2P2	
R233			RK73FB2A361J	CHIP R	360	J	1/10W	K3P3	
R233			RK73FB2A361J	CHIP R	360	J	1/10W	MCXYIV	
R233			RK73FB2A431J	CHIP R	430	J	1/10W	E7E8	
R233			RK73FB2A431J	CHIP R	430	J	1/10W		
R233			RK73FB2A471J	CHIP R	470	J	1/10W	T7Q7	
R233			RK73FB2A471J	CHIP R	470	J	1/10W	E1E2E3	
R233			RK73FB2A471J	CHIP R	470	J	1/10W	E4E5	
R233			RK73FB2A471J	CHIP R	470	J	1/10W	Q5Q6	
R239, 240			RS14KB3A392J	FL-PROOF RS	3.9K	J	1W		
R241, 242			R92-1866-05	METAL FILM	0.1		2W		
R243, 244			RK73FB2A333J	CHIP R	33K	J	1/10W		
R245, 246			RK73FB2A333J	CHIP R	33K	J	1/10W	K1P1	
R245, 246			RK73FB2A333J	CHIP R	33K	J	1/10W	7	
R245, 246			RK73FB2A363J	CHIP R	36K	J	1/10W	K2P2K3	
R245, 246			RK73FB2A363J	CHIP R	36K	J	1/10W		
R245, 246			RK73FB2A363J	CHIP R	36K	J	1/10W	P3	
R245, 246			RK73FB2A363J	CHIP R	36K	J	1/10W	56	
R247, 248			RK73FB2A471J	CHIP R	470	J	1/10W		
R249			R92-1866-05	METAL FILM	0.1		2W		
R251			RK73FB2A333J	CHIP R	33K	J	1/10W		
R253			RK73FB2A333J	CHIP R	33K	J	1/10W	K1P1	
R253			RK73FB2A333J	CHIP R	33K	J	1/10W	7	
R253			RK73FB2A363J	CHIP R	36K	J	1/10W	K2P2K3	
R253			RK73FB2A363J	CHIP R	36K	J	1/10W	P3	
R253			RK73FB2A363J	CHIP R	36K	J	1/10W	56	

I : Scandinavia

L: Scandinavia
M: NW/East East

Y : PX(Far East, H)

Y : AAFES(Europe)

K : USA

R:USA

T: Europe

X : Australia

R + Mexico

R : Mexico

G : Germa

H : Korea

• China

: China

W : China(Shanghai)

■ : Other Areas

Molecular

: Malaysia

ndicates safety

critical components.

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PARTS LIST

* New Parts

Parts without **Parts No.** are not supplied.Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.Teile ohne **Parts No.** werden nicht geliefert.

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⑩

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
R255			RK73FB2A471J	CHIP R	470	J 1/10W
R257, 258			R92-1866-05	METAL FILM	0.1	2W
R259, 260			RK73FB2A333J	CHIP R	33K	J 1/10W
R261, 262			RK73FB2A333J	CHIP R	33K	J 1/10W
R261, 262			RK73FB2A333J	CHIP R	33K	J 1/10W K1P1
R261, 262			RK73FB2A363J	CHIP R	36K	J 1/10W K2P2K3
R261, 262			RK73FB2A363J	CHIP R	36K	J 1/10W P3
R261, 262			RK73FB2A363J	CHIP R	36K	J 1/10W 56
R263, 264			RK73FB2A471J	CHIP R	470	J 1/10W
R265~267			RS14KB3D4R7J	FL-PROOF RS	4.7	J 2W
R268			RK73FB2A153J	CHIP R	15K	J 1/10W
R269, 270			RS14KB3D4R7J	FL-PROOF RS	4.7	J 2W
R271~273			RK73FB2A333J	CHIP R	33K	J 1/10W
R275, 276			RK73FB2A333J	CHIP R	33K	J 1/10W
R277			RK73FB2A163J	CHIP R	16K	J 1/10W EQT
R277			RK73FB2A183J	CHIP R	18K	J 1/10W 7
R279, 280			RK73FB2A163J	CHIP R	16K	J 1/10W EQT
R279, 280			RK73FB2A183J	CHIP R	18K	J 1/10W 7
R281~283			RK73FB2A102J	CHIP R	1.0K	J 1/10W EQT
R284			RK73FB2A123J	CHIP R	12K	J 1/10W
R285			RK73FB2A682J	CHIP R	6.8K	J 1/10W
R286			RK73FB2A223J	CHIP R	22K	J 1/10W
R287~291			RK73FB2A272J	CHIP R	2.7K	J 1/10W
R292~295			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R300			RD14NB2E1R0J	RD	1	J 1/4W
R304, 305			RK73FB2A513J	CHIP R	51K	J 1/10W
R306, 307			RK73FB2A273J	CHIP R	27K	J 1/10W
R308			RD14NB2E4R7J	RD	4.7	J 1/4W
R309			RD14NB2E103J	RD	10K	J 1/4W
R311			RK73FB2A513J	CHIP R	51K	J 1/10W
R312			RK73FB2A273J	CHIP R	27K	J 1/10W
R315, 316			RK73FB2A472J	CHIP R	4.7K	J 1/10W
R317			RK73FB2A273J	CHIP R	27K	J 1/10W
R318			RS14KB3A681J	FL-PROOF RS	680	J 1W
R320			RK73FB2A103J	CHIP R	10K	J 1/10W
R321			RK73FB2A473J	CHIP R	47K	J 1/10W
R322			RS14KB3D391J	FL-PROOF RS	390	J 2W
R323			R92-1878-05	WIRE WOUND	68	K 5W
R325			RS14KB3D391J	FL-PROOF RS	390	J 2W
R326~330			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R331			RK73FB2A363J	CHIP R	36K	J 1/10W
R332			RK73FB2A751J	CHIP R	750	J 1/10W
R333			RK73FB2A272J	CHIP R	2.7K	J 1/10W
R361, 362			RS14KB3D391J	FL-PROOF RS	390	J 2W
R363			RK73FB2A473J	CHIP R	47K	J 1/10W
R400			RK73FB2A472J	CHIP R	4.7K	J 1/10W
R403~407			RK73EB2B220J	CHIP R	22	J 1/8W
R408			RK73FB2A222J	CHIP R	2.2K	J 1/10W
R409			RK73FB2A333J	CHIP R	33K	J 1/10W
R410, 411			RK73EB2B224J	CHIP R	220K	J 1/8W
R412, 413			RK73FB2A224J	CHIP R	220K	J 1/10W
R414			RK73FB2A103J	CHIP R	10K	J 1/10W
R415			RK73EB2A103J	CHIP R	100K	J 1/10W
R416			RK73FB2A003J	CHIP R	68K	J 1/10W
R417			RK73FB2A473J	CHIP R	47K	J 1/10W

L: Scandinavia

Y: PX(Far East, Hawaii)

Y: AAFES(Europe)

K: USA

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P: Canada

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Q: Russia

R: Mexico

G: Germany

H: Korea

C: China

V: China(Shanghai)

M: Other Areas

I: Malaysia

* S76-0045-15

* S76-0045-15

* S76-0045-15

K1

K2

K3, 4

S501~505

S507

S509~512

S514~516

S520, 521

D3, 4

D3, 4

T99-0602-05

T99-0605-05

D3, 4

H75.1N(B2)

MTZJ5.1(B)

L: Scandinavia

Y: PX(Far East, Hawaii)

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△

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
R450, 451			RK73FB2A272J	CHIP R	2.7K	J 1/10W
R452			RK73FB2A361J	CHIP R	360	J 1/10W
R453			RK73FB2A472J	CHIP R	4.7K	J 1/10W
R454			RK73FB2A822J	CHIP R	8.2K	J 1/10W
R456			RK73FB2A473J	CHIP R	47K	J 1/10W MCXYIV
R457			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R458			RK73FB2A101J	CHIP R	100	J 1/10W
R460, 461			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R462			RK73EB2B101J	CHIP R	100	J 1/8W
R504			RK73FB2A103J	CHIP R	10K	J 1/10W
R514			RK73FB2A222J	CHIP R	2.2K	J 1/10W
R515			RK73FB2A103J	CHIP R	10K	J 1/10W
R523			RD14NB2E1R0J	RD	1	J 1/4W
R524, 525			RK73FB2A101J	CHIP R	100	J 1/10W
R528			RK73FB2A101J	CHIP R	100	J 1/10W KP
R529, 530			RK73FB2A473J	CHIP R	47K	J 1/10W MCXYIV
R536			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R545, 546			RK73FB2A103J	CHIP R	10K	J 1/10W
R552			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R556			RK73FB2A103J	CHIP R	10K	J 1/10W
R565			RK73FB2A103J	CHIP R	10K	J 1/10W
R568			RK73FB2A103J	CHIP R	10K	J 1/10W
R570			RK73FB2A103J	CHIP R	10K	J 1/10W
R577			RK73FB2A103J	CHIP R	10K	J 1/10W
R580			RK73FB2A222J	CHIP R	2.2K	J 1/10W EQT
R582			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R601, 602			RK73FB2A224J	CHIP R	220K	J 1/10W
R603			RK73FB2A473J	CHIP R	47K	J 1/10W
R606			RK73FB2A102J	CHIP R	1.0K	J 1/10W
R607, 608			RD14NB2E1R0J	RD	1	J 1/4W
W303			R92-0679-05	CHIP R	0 OHM	
W304~306			R92-0670-05	CHIP R	0 OHM	
W309, 310			R92-0679-05	CHIP R	0 OHM	
W312			R92-0679-05	CHIP R	0 OHM	
W314			R92-0679-05	CHIP R	0 OHM	
W315			R92-0670-05	CHIP R	0 OHM	
W316~318			R92-0679-05	CHIP R	0 OHM	
W501~502			R92-0670-05	CHIP R	0 OHM	
W501~506			R92-0670-05	CHIP R	0 OHM	
W503~506			R92-0670-05	CHIP R	0 OHM	EQT
K1			* S76-0045-15	MAGNETIC RELAY		
K2			* S76-0045-15	MAGNETIC RELAY		
K3, 4			* S76-0045-15	MAGNETIC RELAY		
S501~505			S70-0031-05	TACT SWITCH		
S507			S70-0031-05	TACT SWITCH		
S509~512			S70-0031-05	TACT SWITCH		
S514~516			S70-0031-05	TACT SWITCH		
S520, 521			S70-0031-05	TACT SWITCH		
S517			T99-0602-05	ROTARY ENCODER		
S518, 519			T99-0605-05	ROTARY ENCODER		
D3, 4			HZS5.1N(B2)	ZENER DIODE		
D3, 4			MTZJ5.1(B)	ZENER DIODE		

△ indicates safety critical components.

KRF-V5020/V6020/V7020/VR-305/306/355

PARTS LIST

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
D3, 4			RD5.1ES(B2)	ZENER DIODE		
D5, 6			HZS6.8N(B2)	ZENER DIODE		
D5, 6			MTZJ6.8(B)	ZENER DIODE		
D5, 6			RD6.8ES(B2)	ZENER DIODE		
D7			HZS5.1N(B2)	ZENER DIODE		
D7			MTZJ5.1(B)	ZENER DIODE		
D7			RD5.1ES(B2)	ZENER DIODE		
D8			HZS11N(B2)	ZENER DIODE		
D8			MTZJ11(B)	ZENER DIODE		
D8			RD11ES(B2)	ZENER DIODE		
D10			HZS8.2N(B2)	ZENER DIODE		
D10			MTZJ8.2(B)	ZENER DIODE		
D10			RD8.2ES(B2)	ZENER DIODE		
D11			HZS7.5N(B2)	ZENER DIODE		
D11			MTZJ7.5(B)	ZENER DIODE		
D11			RD7.5ES(B2)	ZENER DIODE		
D12, 13			HZS8.2N(B2)	ZENER DIODE		
D12, 13			MTZJ8.2(B)	ZENER DIODE		
D12, 13			RD8.2ES(B2)	ZENER DIODE		
D14, 15			HZS10N(B2)	ZENER DIODE		
D14, 15			MTZJ10(B)	ZENER DIODE		
D14, 15			RD10ES(B2)	ZENER DIODE		
D19			MA111	DIODE		
D20			MA111	DIODE		
D21~23			MA111	DIODE		
D24			HZS4.7N(B2)	ZENER DIODE		
D24			MTZJ4.7(B)	ZENER DIODE		
D24			RD4.7ES(B2)	ZENER DIODE		
D25			HZS3.3N(B2)	ZENER DIODE		
D25			MTZJ3.3(B)	ZENER DIODE		
D25			RD3.3ES(B2)	ZENER DIODE		
D26			MA111	DIODE		
D31			D4SBL20UF03	DIODE		
D32			D4SBL20UF03	DIODE		
D32			D4SBL20UF03	DIODE		
D37, 38			HZS16N(B2)	ZENER DIODE		
D37, 38			MTZJ16(B)	ZENER DIODE		
D37, 38			RD16ES(B2)	ZENER DIODE		
D39, 40			HZS18N(B2)	ZENER DIODE		
D39, 40			MTZJ18(B)	ZENER DIODE		
D39, 40			RD18ES(B2)	ZENER DIODE		
D50, 51			MA111	DIODE		
D52			MA111	DIODE		
D53~55			MA111	DIODE		
D56			HZS7.5N(B2)	ZENER DIODE		
D56			MTZJ7.5(B)	ZENER DIODE		
D56			RD7.5ES(B2)	ZENER DIODE		
D59			MA111	DIODE		
D504			HSS104A	DIODE		
D504			HSS104A	DIODE		
D504			1SS133	DIODE		
D504			1SS133	DIODE		
D505			HSS104A	DIODE		
D505			1SS133	DIODE		
D507			HSS104A	DIODE		

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
D507			1SS133	DIODE		Q
D508, 509			HSS104A	DIODE		
D508, 509			1SS133	DIODE		
D510			HSS104A	DIODE		ETQ
D510			HSS104A	DIODE		YMXCIV
D510			1SS133	DIODE		
D510			1SS133	DIODE		
D511~521			HSS104A	DIODE		
D511~521			1SS133	DIODE		
D522			1SS133	DIODE		
D523			HSS104A	DIODE		
D523			1SS133	DIODE		
D524			HSS104A	DIODE		EQT
D524			1SS133	DIODE		EQT
D526			HZS6.2N(B2)	ZENER DIODE		
D526			MTZJ6.2(B)	ZENER DIODE		
D526			RD6.2ES(B2)	ZENER DIODE		
D529			HSS104A	DIODE		
D529			1SS133	DIODE		
▲ D530			S1ZB20(4072)	DIODE		
▲ D531			D4SBL20UF03	DIODE		KP
D532, 533			MA111	DIODE		
ED51			11-MT-120GK	INDICATOR TUBE		
▲ IC1			TA7815SB	ANALOGUE IC		
▲ IC2			TA79015SB	ANALOGUE IC		
▲ IC3			STK411-220D	HYBRID IC		K2P2K2
▲ IC3			STK411-220D	HYBRID IC		P3
▲ IC3			STK411-220D	HYBRID IC		56
▲ IC3			STK411-230D	HYBRID IC		K1P1
▲ IC3			STK411-230D	HYBRID IC		7
▲ IC3			STK411-230K	HYBRID IC		K1P1
▲ IC4			STK410-020D	HYBRID IC		K2P2K3
▲ IC4			STK410-020D	HYBRID IC		P3
▲ IC4			STK410-020D	HYBRID IC		56
▲ IC4			STK410-030D	HYBRID IC		K1P1
▲ IC4			STK410-030D	HYBRID IC		
▲ IC5			NJM4580ED	ANALOGUE IC		
IC6			TC9164AF	MOS-IC		
IC7			TC9162AF	MOS-IC		
IC8			NJM4565MD	IC(OP AMP X2)		
IC9			M62446FP	ANALOGUE IC		
IC12			NJM4565MD	IC(OP AMP X2)		
IC16			M62460FP	ANALOGUE IC		
IC17			BU4066BCF	ANALOGUE IC		
IC18			NJM2279M	ANALOGUE IC		
IC19			M5278L05M	ANALOGUE IC		
IC51			CXP82832-155Q	MI-COM IC		
IC51			CXP82832-155Q	MI-COM IC		
IC51			CXP82852-136Q	MI-COM IC		
IC52			X24C02S	MEMORY IC		
IC52			S-80740AL-A4	MEMORY IC		KP
IC53			SAA6579T	IC(VOLTAGE DETECTOR)		MCXYIV
IC54			SAA6579T/R	ANALOGUE IC		EQT
IC54			NJM4565MD	ANALOGUE IC		EQT
IC55			X24C02S	IC(OP AMP X2)		
L: Scandinavia	K: USA	P: Canada	R: Mexico	C: China	I: Malaysia	
Y: PX(Far East, Hawaii)	T: Europe	E: Europe	G: Germany	V: China(Shanghai)		
Y: AALES(Europe)	X: Australia	Q: Russia	H: Korea	M: Other Areas	▲ indicates safety critical components.	

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KRF-V5020/V6020/V7020/VR-305/306/355

PARTS LIST

23

34

HOW TO READ THE PARTS LIST

Destination column has the abbreviation for the sale country and model. Alphabets mean the country.
Numerals do model.

Example: X5 show KRF-V5020 for Australia market. "X" does all models for Australia.
"5" does KRF-V5020, KRF-5020(S), KRF-V5020E and KRF-V5020W

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	CNT	Australia	Canada	China	England	Europe	Germany	Korea	Malaysia
	ABB.	X	P	C	T	E	G	H	I
KRF-V5020	5	X5	-	-	T5	E1	-	-	I5
KRF-V5020(S)	5	-	-	-	-	E2	-	-	-
KRF-V5020E	5	-	-	-	-	E3	-	-	-
KRF-V5020W	5	-	-	-	-	-	-	-	-
KRF-V6020	6	X6	-	C6	-	E4	-	-	I6
KRF-V6020E	6	-	-	-	-	E5	-	-	-
KRF-V6020W	6	-	-	-	-	-	-	-	-
KRF-V7020	7	-	-	-	T7	E7	-	-	-
KRF-V7020E	7	-	-	-	-	E8	-	-	-
KRF-V7020W	7	-	-	-	-	-	-	-	-
VR-305	4	-	P2	-	-	-	-	-	-
VR-306	4	-	P1	-	-	-	-	-	-
VR-355	4	-	P3	-	-	-	-	-	-
MODEL	CNT	Mexico	PX/AAFES	Russia	Scandinavia	Shanghai	USA	Other area	
	ABB.	R	Y	Q	L	V	K	M	
KRF-V5020	5	-	Y5	-	-	-	-	M5	-
KRF-V5020(S)	5	-	-	-	-	-	-	-	-
KRF-V5020E	5	-	-	-	-	-	-	-	-
KRF-V5020W	5	-	-	Q5	-	-	-	-	-
KRF-V6020	6	-	-	-	-	V6	-	M6	-
KRF-V6020E	6	-	-	-	-	-	-	-	-
KRF-V6020W	6	-	-	Q6	-	-	-	-	-
KRF-V7020	7	-	-	-	-	-	-	-	-
KRF-V7020E	7	-	-	-	-	-	-	-	-
KRF-V7020W	7	-	-	Q7	-	-	-	-	-
VR-305	4	-	-	-	-	-	K2	-	-
VR-306	4	-	-	-	-	-	K1	-	-
VR-355	4	-	-	-	-	-	K3	-	-

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Teile ohne **Parts No.** werden nicht geliefert.

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
Q1~11			2SC2876(B) 2SC4213(B)	TRANSISTOR		
Q12			2SA1576(R,S)	TRANSISTOR		
Q13, 14			2SA1586(Y,GR)	TRANSISTOR		
Q13, 14			2SA1611(M5,M6)	TRANSISTOR		
Q13, 14			2SB1218A(Q,R)	TRANSISTOR		
Q15~19			2SC1845(F,E)	TRANSISTOR		
Q20			DTC123JUA	DIGITAL TRANSISTOR		
Q21			DTC123JUA	DIGITAL TRANSISTOR		
Q22, 23			DTC123JUA	DIGITAL TRANSISTOR	67	
Q24, 25			2SC3722K(R,S)	TRANSISTOR		
Q26			2SA1255	TRANSISTOR		
Q29			2SC3944A(R,S)	TRANSISTOR		
Q30			2SA1123(S,T)	TRANSISTOR		
Q30			2SA1285A(F)	TRANSISTOR		
▲ Q31			2SB1640	TRANSISTOR		
Q32~34			2SC3722K(R,S)	TRANSISTOR		
Q35			2SA1255	TRANSISTOR		
Q36, 37			2SC3722K(R,S)	TRANSISTOR		
Q40			2SC4213(B)	TRANSISTOR		
Q41			DTC113ZUA	DIGITAL TRANSISTOR		
Q41			UN5219	DIGITAL TRANSISTOR		
Q42			2SC4213(B)	TRANSISTOR		
Q501			2SC4081(R,S)	TRANSISTOR		
Q501			2SC4116(Y,GR)	TRANSISTOR		
Q501			2SC4177(L5,L6)	TRANSISTOR		
Q501			2SD1819A(Q,R)	TRANSISTOR		
Q503			2SC4081(R,S)	TRANSISTOR		
Q503			2SC4116(Y,GR)	TRANSISTOR		
Q503			2SC4177(L5,L6)	TRANSISTOR		
Q503			2SD1819A(Q,R)	TRANSISTOR		
TH1			PTH9C42BD471Q	POSITIVE RESISTOR	MCXYIV	
A501			W02-2625-05	OPTIC RECEIVING MODULE	MCXYIV	

SUB (X25-6222-70)

C1 C2 C3, 4	*	CE04KW1C100M CC73FCH1H470J CC73FSL1H221J	ELECTRO CHIP C CHIP C	10UF 47PF 220PF	16WV J J	
CN1 CN2 J1	*	E40-3247-05 E40-3249-05 E63-1072-05	PIN ASSY PIN ASSY PHONO JACK			
R1 R2, 3 R4, 5 W1		RK73FB2A750J RK73FB2A102J RK73FB2A224J R92-0670-05	CHIP R CHIP R CHIP R CHIP R	75 1.0K 220K 0 OHM	J J J J	1/10W 1/10W 1/10W 1/10W
S1	*	S68-0113-05	PUSH SWITCH			
D1		DA204U	DIODE			

L: Scandinavia
Y: PXI(Far East, Hawaii)
Y: AAFES(Europe)

K: USA
T: Europe
X: Australia

P: Canada
E: Europe
Q: Russia

R: Mexico
G: Germany
H: Korea

C: China
V: China(Shanghai)

I: Malaysia
M: Other Areas

△ indicates safety critical components.

MC-Service

KRF-V5020/V6020/V7020/VR-305/306/355

SPECIFICATIONS

For Europe and England

AUDIO section

Rated power output during STEREO operation	
KRF-V7020	
(DIN) 1 kHz, 0.7% at 4 Ω	100 W + 100 W
KRF-V6020, KRF-V5020	
(DIN) 1 kHz, 0.7% at 4 Ω	80 W + 80 W
Effective power output during SURROUND operation	
KRF-V7020	
FRONT (1kHz, 0.7% T.H.D. at 4 Ω one channel driven)	100 W + 100 W
CENTER (1kHz, 0.7% T.H.D. at 4 Ω one channel driven)	100 W
SURROUND (1kHz, 0.7% T.H.D. at 4 Ω one channel driven)	100 W + 100 W
KRF-V6020, KRF-V5020	
FRONT (1kHz, 0.7% T.H.D. at 4 Ω one channel driven)	80 W + 80 W
CENTER (1kHz, 0.7% T.H.D. at 4 Ω one channel driven)	80 W
SURROUND (1kHz, 0.7% T.H.D. at 4 Ω one channel driven)	80 W + 80 W
Total harmonic distortion	0.05% (1 kHz, 40W, 4 Ω)
Frequency response	
CD	10 Hz ~ 60 kHz, +0 dB, -3.0 dB
Signal to noise ratio	
PHONO (MM)	75 dB (IHF'66)
CD	93 dB (IHF'66)
Input sensitivity / impedance	
PHONO (MM)	2.5 mV / 27 kΩ
CD	200 mV / 47 kΩ
DVD 6CH (SUBWOOFER)	200 mV / 10 kΩ
Output level / impedance	
TAPE REC	200 mV / 2.2 kΩ
PRE OUT (CENTER, SURROUND)	1 V / 2.2 kΩ
PRE OUT (SUBWOOFER)	2 V / 2.2 kΩ
Tone control	
BASS	±10 dB (at 100 Hz)
TREBLE	±10 dB (at 10 kHz)

For other countries

AUDIO section

Effective power output during STEREO operation	
KRF-V6020	
1kHz,10% T.H.D.,at 8 Ω	120 W + 120 W
KRF-V5020	
1kHz,10% T.H.D.,at 8 Ω	110 W + 110 W
Rated power output during STEREO operation	
80 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion.(FTC)	
Effective power output during SURROUND operation	
FRONT (1kHz, 10% T.H.D. at 8 Ω one channel driven)	80 W + 80 W
CENTER (1kHz, 10% T.H.D. at 8 Ω one channel driven)	80 W
SURROUND (1kHz, 10% T.H.D. at 8 Ω one channel driven)	80 W + 80 W
Total harmonic distortion	0.05%(1 kHz, 40W, 8 Ω)
Frequency response	
CD	10 Hz ~ 60 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF'66)	
PHONO (MM)	75 dB
CD	93 dB
Input sensitivity / impedance	
PHONO (MM)	2.5 mV / 27 kΩ
CD	200 mV / 47 kΩ
DVD 6CH (SUBWOOFER)	200 mV / 10 kΩ
Output level / impedance	
TAPE REC	200 mV / 2.2 kΩ
PRE OUT (SUBWOOFER)	2 V / 2.2 kΩ
Tone control	
BASS	±10 dB (at 100 Hz)
TREBLE	±10 dB (at 10 kHz)

VIDEO section

VIDEO inputs / outputs	
VIDEO (composite)	1 Vp-p / 75 Ω

VIDEO section

VIDEO inputs / outputs	
VIDEO (composite)	1 Vp-p / 75 Ω

FM tuner section

Tuning frequency range	87.5 MHz ~ 108 MHz
Usable sensitivity (DIN, 75 Ω)	
MONO	1.2 μV / 13.2 dBf (40 kHz DEV., S/N 26 dB)
STEREO	45 μV / 44.2 dBf (46 kHz DEV., S/N 46 dB)
Total harmonic distortion (DIN, 1 kHz)	
MONO	0.2% (65.2 dBf input)
STEREO	0.8% (65.2 dBf input)
Signal to noise ratio (DIN weighted, 1 kHz)	
MONO	65 dB (40 kHz DEV., 65.2 dBf input)
STEREO	60 dB (46 kHz DEV., 65.2 dBf input)
Stereo separation (DIN, 1 kHz)	36 dB
Selectivity (DIN, ±300 kHz)	64 dB
Frequency response (30 Hz ~ 15kHz)	+0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range	531 kHz ~ 1,602 kHz
Usable sensitivity (30% mod., S/N 20 dB)	
.....	16 μV / (600 μV/m)

Signal to noise ratio (30% mod., 1 mV input) 50 dB

GENERAL

Power consumption	230 W
AC outlet	
SWITCHED	2 (total 150 W max.)
Dimensions	
.....	W : 440 mm H : 144 mm
KRF-V7020	D : 400 mm
KRF-V6020, KRF-V5020	D : 390 mm
Weight (Net)	
KRF-V7020	9.2 kg
KRF-V6020	8.4 kg
KRF-V5020	8.2 kg

FM tuner section

Tuning frequency range	87.5 MHz ~ 108 MHz
Usable sensitivity (MONO)	
.....	1.6 μV (75 Ω)/ 15.2 dBf (75 kHz DEV., SINAD 30 dB)
50dB quieting sensitivity	
STEREO	31.6 μV (75 Ω)/ 41.2 dBf
Total harmonic distortion (1 kHz)	
MONO	0.6% (65 dBf input)
STEREO	0.7% (65 dBf input)
Signal to noise ratio (1 kHz, 75 kHz DEV.)	
MONO	75 dB (65 dBf input)
STEREO	68 dB (65 dBf input)
Stereo separation (1 kHz)	38 dB
Selectivity (±400 kHz)	50 dB
Frequency response	30 Hz ~ 15kHz, +0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range	
For Australia	
9 kHz step	531 kHz ~ 1,602 kHz
Except for Australia	
9 kHz step	531 kHz ~ 1,602 kHz
10 kHz step	530 kHz ~ 1,610 kHz
Usable sensitivity (30% mod., S/N 20 dB)	
.....	16 μV / (600 μV/m)

Signal to noise ratio (30% mod. 1 mV input) 50 dB

GENERAL

Power consumption	
KRF-V6020	280 W
KRF-V5020	230 W
AC outlet	
SWITCHED (for Australia)	1 (total 150 W max.)
SWITCHED (except Australia)	2 (total 150 W max.)
Dimensions	
.....	W : 440 mm H : 144 mm D : 400 mm
Weight (Net)	
KRF-V6020	9.4 kg
KRF-V5020	8.2 kg

Notes

1. KEINWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

KRF-V5020/V6020/V7020/VR-305/306/355

SPECIFICATIONS

For U.S.A and Canada

AUDIO section

Rated power output during STEREO operation
VR-306

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion.(FTC)

VR-305, VR-355

80 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion.(FTC)

Effective power output during SURROUND operation

VR-306

FRONT (1kHz, 0.7% T.H.D. at 8 Ω one channel driven)
..... 100 W + 100 W
CENTER (1kHz, 0.7% T.H.D. at 8 Ω one channel driven)
..... 100 W
SURROUND (1kHz, 0.7% T.H.D. at 8 Ω one channel driven)
..... 100 W + 100 W

VR-305, VR-355

FRONT (1kHz, 0.7% T.H.D. at 8 Ω one channel driven)
..... 80 W + 80 W
CENTER (1kHz, 0.7% T.H.D. at 8 Ω one channel driven)
..... 80 W
SURROUND (1kHz, 0.7% T.H.D. at 8 Ω one channel driven)
..... 80 W + 80 W

Total harmonic distortion 0.05% (1 kHz, 40W, 8 Ω)

Frequency response

CD 10 Hz ~ 60 kHz, +0 dB, -3.0 dB

Signal to noise ratio (IHF'66)

PHONO (MM) 75 dB

CD 93 dB

Input sensitivity / impedance

PHONO (MM) 2.5 mV / 27 kΩ

CD 200 mV / 47 kΩ

DVD 6CH (SUBWOOFER) 200 mV / 10 kΩ

Output level / impedance

TAPE REC 200 mV / 2.2 kΩ

PRE OUT (SUBWOOFER) 2 V / 2.2 kΩ

Tone control

BASS ±10 dB (at 100 Hz)

TREBLE ±10 dB (at 10 kHz)

VIDEO section

VIDEO inputs / outputs

VIDEO (composite) 1 Vp-p / 75 Ω

FM tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity (MONO)

..... 1.6 μV (75 Ω)/ 15.2 dBf (75 kHz DEV., SINAD 30 dB)

50dB quieting sensitivity

STEREO 31.6 μV (75 Ω)/ 41.2 dBf

Total harmonic distortion (1 kHz)

MONO 0.6% (65 dBf input)

STEREO 0.7% (65 dBf input)

Signal to noise ratio (1 kHz, 75 kHz DEV.)

MONO 75 dB (65 dBf input)

STEREO 68 dB (65 dBf input)

Stereo separation (1 kHz)

..... 38 dB

Selectivity (±400 kHz)

..... 65 dB

Frequency response 30 Hz ~ 15kHz, +0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range

10 kHz step 530 kHz ~ 1,700 kHz

Usable sensitivity (30% mod., S/N 20 dB)

..... 16 μV / (600 μV/m)

Signal to noise ratio (30% mod. 1 mV input)

..... 50 dB

GENERAL

Power consumption

VR-306 2.6 A

VR-305, VR-355 2.2 A

AC outlet

SWITCHED 2 (total 150 W, 1.25 A max.)

Dimensions

W : 440 mm (17-5/16")

H : 144 mm (5-11/16")

D : 390 mm (15-3/8")

Weight (Net)

VR-306 8.8 kg (19.4 lb)

VR-305, VR-355 8.2 kg (18.1 lb)

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

Note:

Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on General market(M) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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